

Service  
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# Service Manual

Horizontal Frequency  
30- 80 kHz

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## SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING

## Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all AOC Company Equipment. The service procedures recommended by AOC and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. AOC could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, AOC has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by AOC must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

Hereafter throughout this manual, AOC Company will be referred to as AOC.

### WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics might create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from AOC. AOC assumes no liability, express or implied, arising out of any unauthorized modification of design. Servicer assumes all liability.

### FOR PRODUCTS CONTAINING LASER:

DANGER-Invisible laser radiation when open AVOID DIRECT EXPOSURE TO BEAM.

CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.

Take care during handling the LCD module with backlight unit

- Must mount the module using mounting holes arranged in four corners.
- Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
- Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
- Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
- Make certain that treatment person's body is grounded through wristband.
- Do not leave the module in high temperature and in areas of high humidity for a long time.
- Avoid contact with water as it may a short circuit within the module.
- If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

## Revision List

[illegible]

**1. Product Feature**

	Driving system	TFT Color LCD
LCD Panel	Size	43.2cm(17.0")
	Pixel pitch	0.264mm( H ) × 0.264mm( V )
	Video	R,G,B Analog Interface
Input	Separate Sync.	H/V TTL
	H-Frequency	30kHz – 80kHz
	V-Frequency	55-75Hz
Display Colors		16.2M Colors
Dot Clock		135MHz
Max. Resolution		1280 × 1024 @75Hz
Plug & Play		VESA DDC2BTM
EPA ENERGY STAR®	ON Mode	≤37W
	OFF Mode	≤1W
Input Connector	15-pin D-Sub	
Input Video Signal	Analog:0.7Vp-p(standard), 75 OHM, Positive	
Maximum Screen Size	Horizontal : 338mm Vertical : 270mm	
Power Source	100~240VAC,47~63Hz	
Environmental	Operating Temp: 5° to 35°C	
Considerations	Storage Temp.: -20° to 60°C	
	Operating Humidity: 10% to 85%	
Dimension	399(H)×433(W)×133(D)mm	
Weight (N. W.)	4.25kg Unit (net)	
	Switch	Auto Adjust Key
		Brightness
		Contrast
		Power Button
		MENU
External Controls:	Functions	Contrast
		Brightness
		Focus
		Clock
		H. Position
		V. Position
		Auto Config
		Language
		Information
		OSD Setup

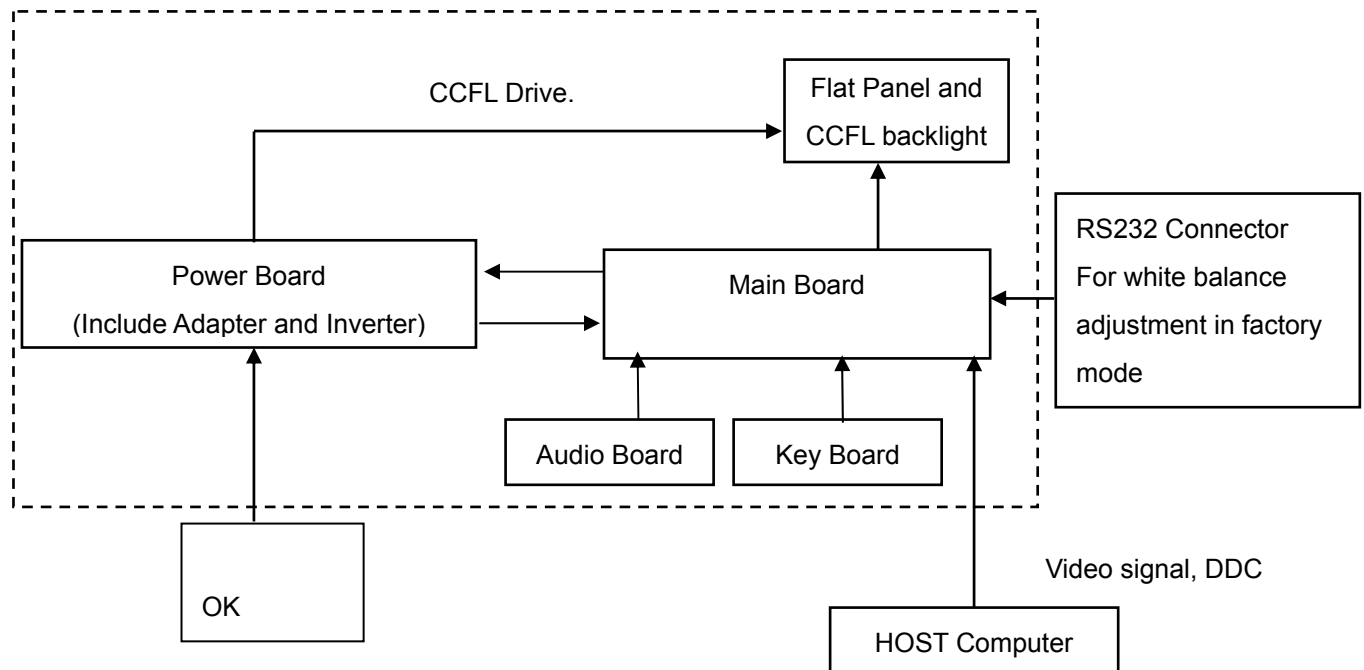
		(Warm)Color
		(Cool)Color
		User Color temperature
		sRGB
		Reset
		Exit
Regulatory Compliance		CE, FCC, cULus, TUV-S

## 2. LCD Monitor Description

The LCD MONITOR will contain a main board, a power board, a key board and an audio board which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC voltage to drive the backlight of panel and the main board chips each voltage.

**Monitor Block Diagram**



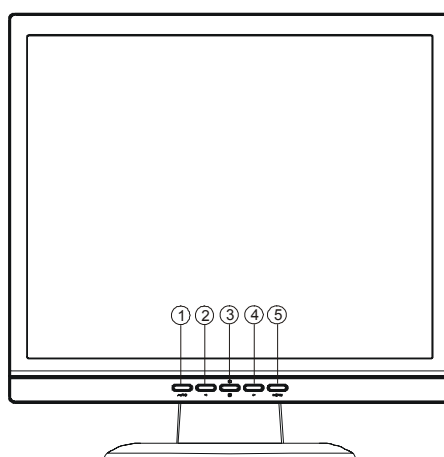
## 3. Operating Instructions

### 3.1 General Instructions

Press the power button to turn the monitor on or off. The other control buttons are located at the front panel of the monitor. By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor, the power indicator will light up.

### 3.2 Control Buttons



1.	Auto Adjust button / Exit	2.	► / Brightness
3.	Power Button/ LED	4.	◄ / Contrast
5.	MENU / ENTER		

- **Power Button:**

Press this button to turn the monitor ON or OFF.

- **Power Indicator:**

Blue — Power On mode.

Orange — Off mode.

- **MENU / ENTER :**

Activate OSD menu when OSD is OFF or activate/de-activate adjustment function when OSD is ON or Exit OSD menu when in Brightness /Contrast Adjust OSD status.

- **Brightness :**

Adjust brightness or function adjust.

- **Contrast :**

Adjust contrast or function adjust.

- **Auto Adjust button / Exit:**

1. When OSD menu is in active status, this button will act as EXIT-KEY (EXIT OSD menu).
2. When OSD menu is in off status, press this button for 2 seconds to activate the Auto Adjustment function.  
The Auto Adjustment function is used to set the HPos, VPos, Clock and Focus.

### 3.3 Adjusting The Pictures










1. Press the MENU-button to activate the OSD window.
2. Press < or > to navigate through the functions. Once the desired function is highlighted, press the MENU-button to activate it. If the function selected has a sub-menu, press < or > again to navigate through the sub-menu Functions. Once the desired function is highlighted, press MENU-button to activate it.
3. Press < or > to change the settings of the selected function.
4. To exit and save, select the exit function. If you want to adjust any other function, repeat steps 2-3.



The table below describes the function of each OSD icon.

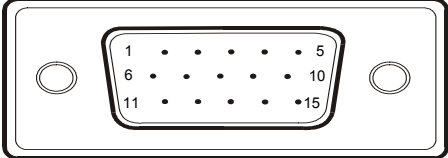
Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu Icon	Description
Luminance		Contrast		Contrast from Digital-register.
		Brightness		Backlight Adjustment
Image Setup		Focus		Adjust Picture Phase to reduce Horizontal-Line noise
		Clock		Adjust picture Clock to reduce Vertical-Line noise.
Image Position		H. Position		Adjust the horizontal position of the picture.
		V. Position		Adjust the vertical position of the picture.
Color Temp.		Warm	N/A	Recall Warm Color Temperature from EEPROM.
		Cool	N/A	Recall Cool Color Temperature from EEPROM.
		sRGB	N/A	Recall sRGB Temperature from EEPROM.
		User / Red	R	Red Gain from Digital-register.
		User / Green	G	Green Gain Digital-register.
		User / Blue	B	Blue Gain from Digital-register.



Auto Config		Yes	N/A	Auto Adjust the H/V Position, Focus and Clock of picture.
		No	N/A	Do not execute Auto Config, return to main menu.
OSD Setup		H. Position		Adjust the horizontal position of the OSD.
		V. Position		Adjust the vertical position of the OSD.
		OSD Timeout		Adjust the OSD timeout.
Language		Language	N/A	Set OSD language
Information		Information	N/A	Show the resolution, H/V frequency and input port of current input timing.
Reset		Yes	N/A	Clear each old status of Auto-configuration.
		No	N/A	Do not execute reset, return to main menu.
Exit		N/A	N/A	Exit OSD

## 4. Input/Output Specification

### 4.1 D-SUB connector

Pin No.	Description	Pin No.	Description
1.	Red	9.	+5V
2.	Green	10.	Detect Cable
3.	Blue	11.	TXD
4.	RXD	12.	DDC-Serial Data
5.	Ground	13.	H-Sync
6.	R-Ground	14.	V-Sync
7.	G-Ground	15.	DDC-Serial Clock
8.	B-Ground		
<b>VGA Connector layout</b>			
			

### 4.2 Factory Preset Display Modes

STANDARD	RESOLUTION	HORIZONTAL FREQUENCY	VERTICAL FREQUENCY
Dos-mode	720 x 400	31.47kHz	70.0Hz
VGA	640 × 480	31.47kHz	60.0Hz
	640 × 480	37.50kHz	75.0Hz
SVGA	800 × 600	37.879kHz	60.0Hz
	800 × 600	46.875kHz	75.0Hz
XGA	1024 × 768	48.363kHz	60.0Hz
	1024 × 768	56.476kHz	70.0Hz
	1024 × 768	60.021kHz	75.0Hz
SXGA	1280 × 1024	64.000kHz	60.0Hz
	1280 × 1024	80.000kHz	75.0Hz

## 5. Panel Specification

## 5.1 General Characteristics

ITEM	SPECIFICATION
Display Area(mm)	337.920(H)x270.336(V) (17.0-inch diagonal)
Number of Pixels	1280(H)x1024(V)
Pixel Pitch(mm)	0.264(H)x0.264(V)
Color Pixel Arrangement	RGB vertical stripe
Display Mode	normally white, TN
Number of Colors	16.2M(6 Bit+FRC)
Brightness(cd/m <sup>2</sup> )	300 cd/m <sup>2</sup> (Typ.) (Center point, Lamp current=7.5 mA)
Viewing Angle	140/130(Typ.)
Surface Treatment	Anti-glare
Total Module Power(W)	24.83(Typ.)
Optimum Viewing Angle	6 o'clock
Module Size(mm)	358.5(W)x296.5(H)x17.5(D)
Module Weight(g)	2600(Typ.)
Backlight Unit	CCFL, 4 tables, edge-light(top*2/bottom*2)

## 5.2 Optical Characteristics

The optical characteristics are measured under stable conditions at 25±2°C(Room Temperature) :

ITEM		SYMBOL	CONDITION	170EA08QI			UNIT
				MIN.	TYP.	MAX.	
Contrast Ratio		CR	$\theta = \phi = 0^\circ$	450	500	--	--
Luminance(CEN)		L	$\theta = \phi = 0^\circ$	250	300	--	cd/m <sup>2</sup>
9PUiformity		$\Delta L$	$\theta = \phi = 0^\circ$	75	80	--	%
Response Time		Tr	$\theta = \phi = 0^\circ$	--	2.5	6	ms
		Tf	$\theta = \phi = 0^\circ$	--	5.5	8	ms
Crosstalk		CT	$\theta = \phi = 0^\circ$	0	--	1	%
Viewing Angle	Horizontal	$\phi$	$CR \geq 10$	-65~65	-70~70	--	°
	Vertical	$\theta$		-65~55	-70~60	--	°
Color Coordinates	White	X	$\theta = \phi = 0^\circ$	0.283	0.313	0.343	Color Coordinates
		Y		0.299	0.329	0.359	
	Red	X		0.621	0.651	0.681	
		Y		0.301	0.331	0.361	
Green	X	0.248	0.278	0.308			
	Y	0.587	0.617	0.647			
Blue	X	0.112	0.142	0.172			
	Y	0.045	0.075	0.105			
Gamut		CG	$\theta = \phi = 0^\circ$	70	72	--	%
Gamma		Y	VESA	2.0	2.2	2.4	--

**5.3 Electrical Characteristics****TFT LCD MODULE**

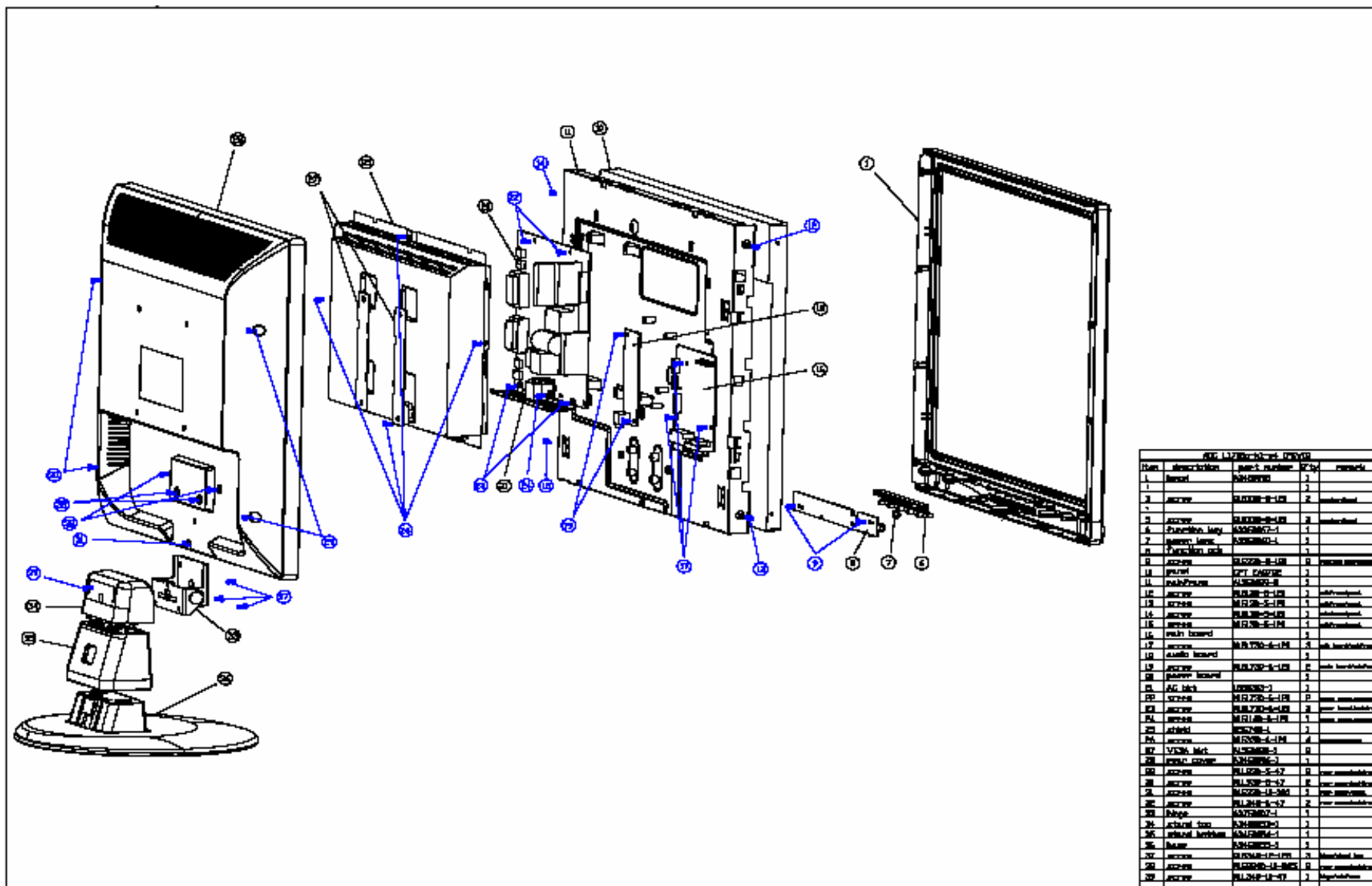
ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply Voltage for LCD	V <sub>CC</sub>	4.5	5.0	5.5	V
Power Supply Current for LCD	I <sub>CC</sub>	--	850	1100	mA
Permissive Input Ripple Voltage	VRP	--	--	100	mVp-p
Power consumption	P	--	4.25	6.0	W

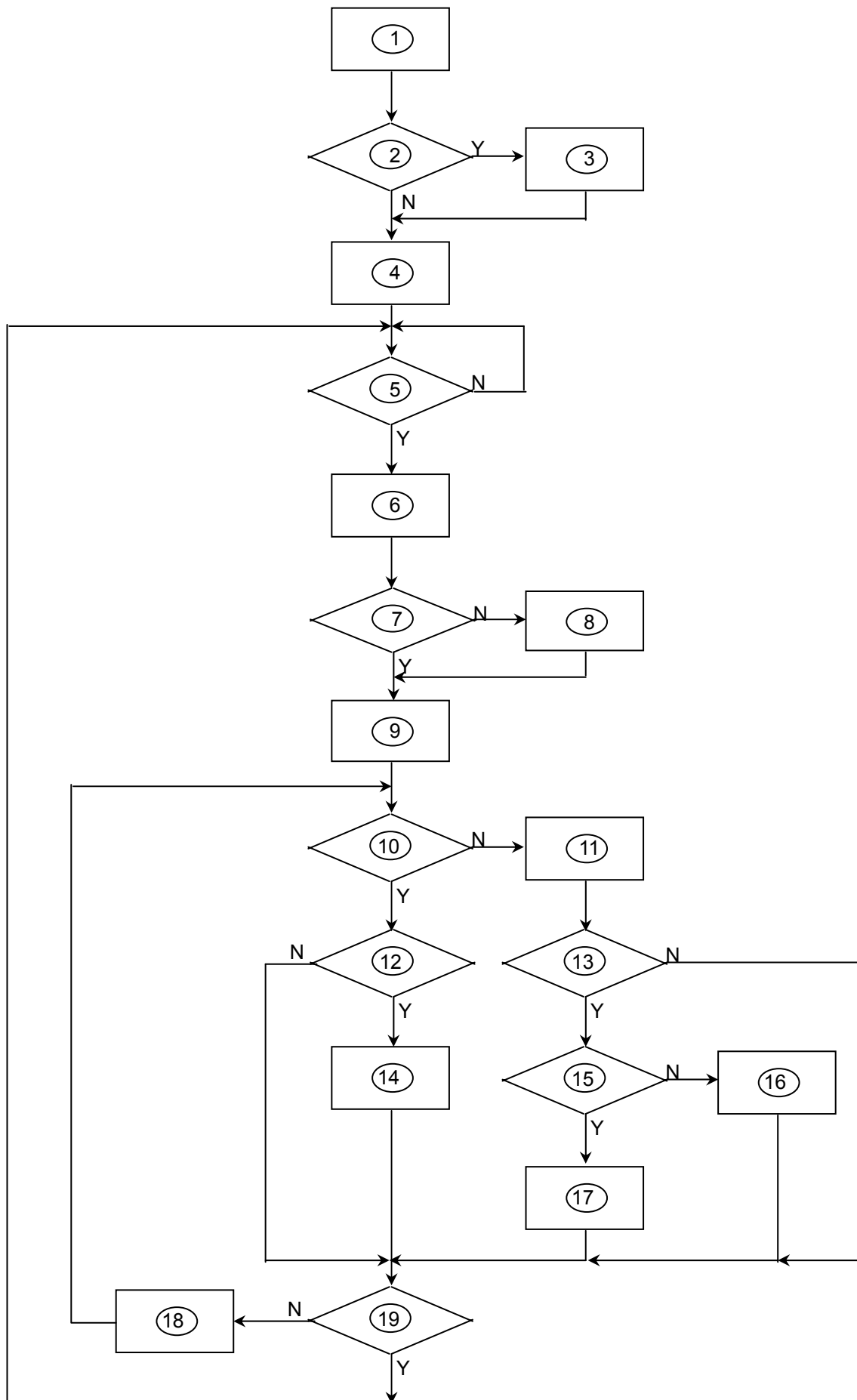
**BACKLIGHT UNIT**

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Lamp Voltage	VL	590	680	750	V <sub>rms</sub>
Lamp Current	IL	7.0	7.5	8.0	mA <sub>rms</sub>
Interter Frequency	FI	45	50	60	kHz
Starting Lamp Voltage	VS	--	--	1710	V <sub>rms</sub>
		--	--	1490	V <sub>rms</sub>

## 6. Block Diagram

### 6.1 Monitor Exploded View

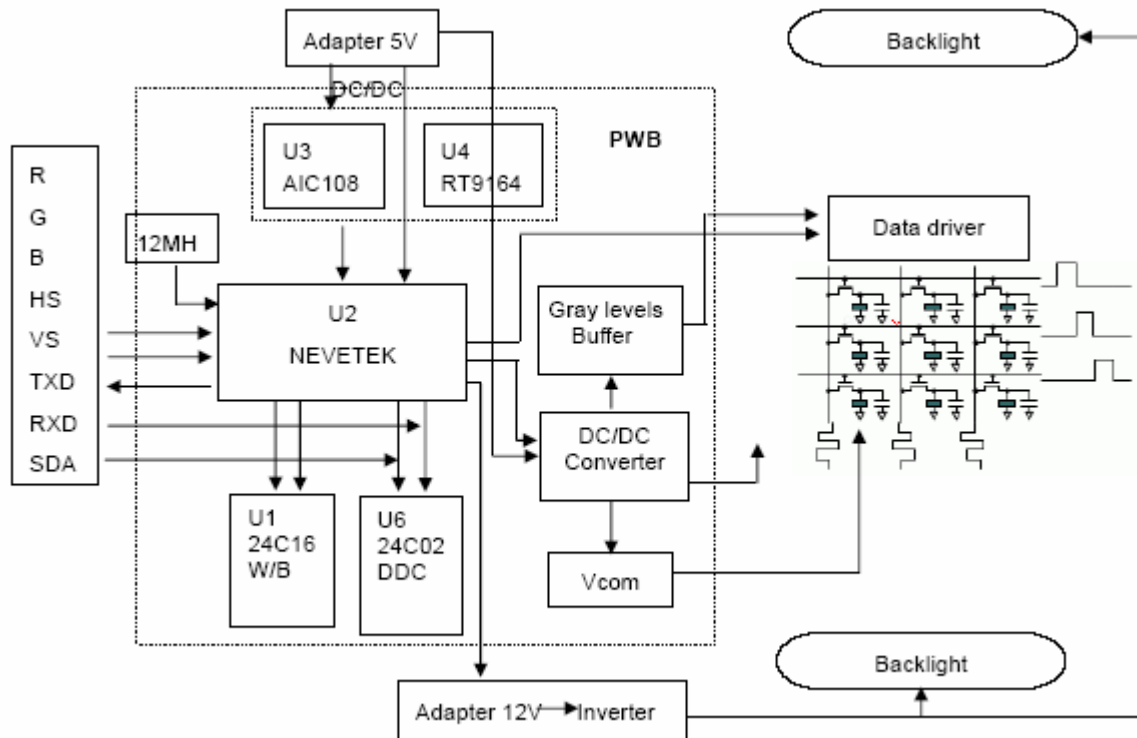


**6.2 Software Flow Chart**

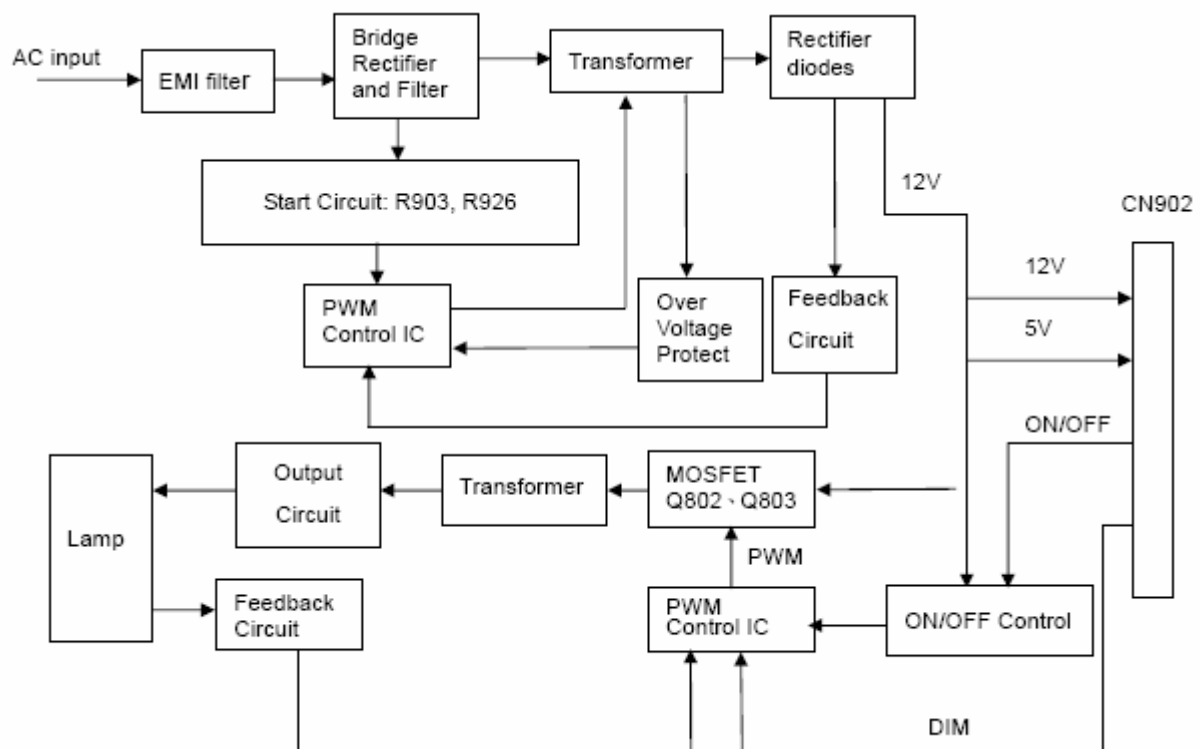
1) MCU initializes.
2) Is the EEPROM blank?
3) Program the EEPROM by default values.
4) Get the PWM value of brightness from EEPROM.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EEPROM. Turn on the LED and set it to green color. Scaler initializes.
10) In standby mode?
11) Update the lifetime of back light.
12) Check the analog port, are there any signals coming?
13) Does the scalar send out an interrupt request?
14) Wake up the scalar.
15) Are there any signals coming from analog port?
16) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappears.
17) Program the scalar to be able to show the coming mode.
18) Process the OSD display.
19) Read the keyboard. Is the power key pressed?

### 6.3 Electrical Block Diagram

### 6.3.1 Main Board



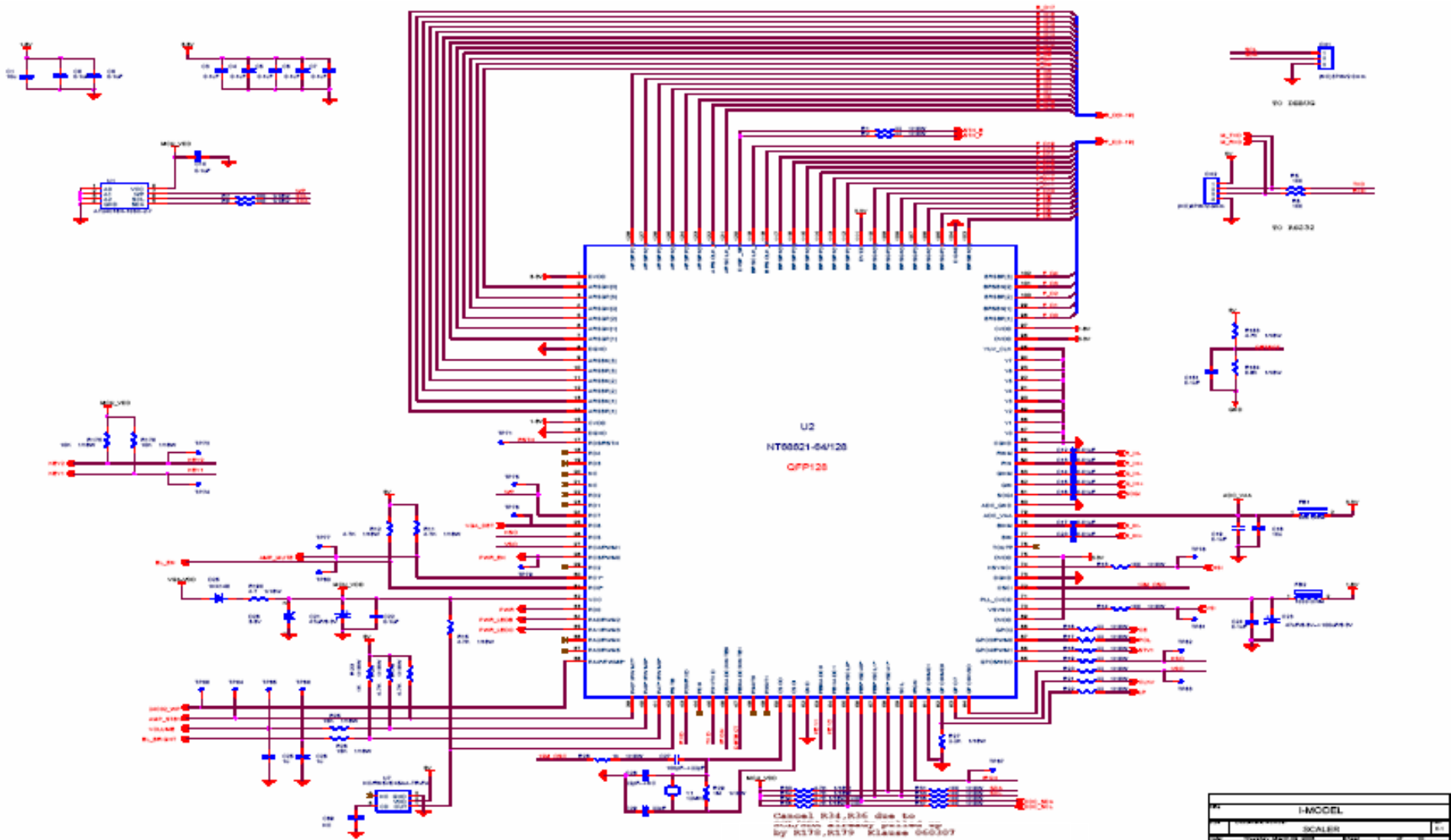
### 6.3.2 Inverter/Power Board

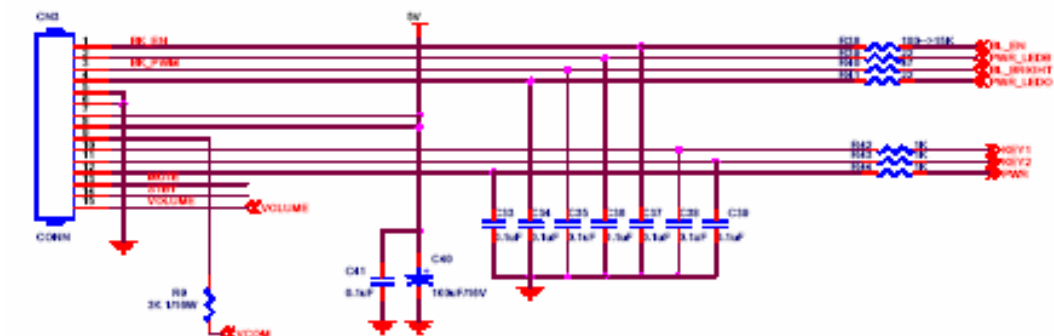




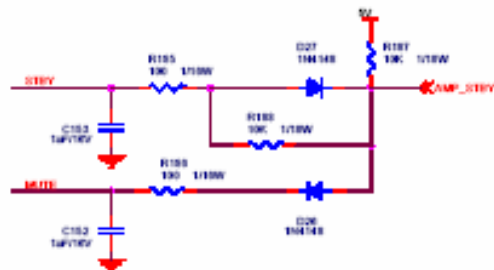
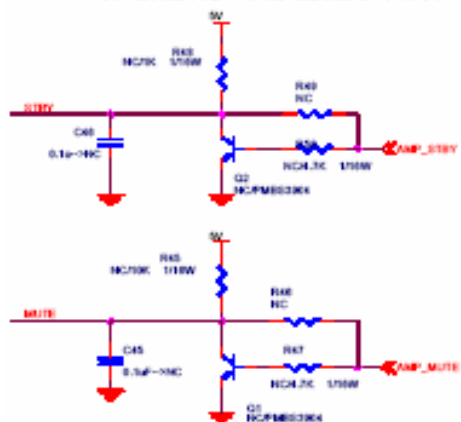
## 7. Schematic

### 7.1 Main Board

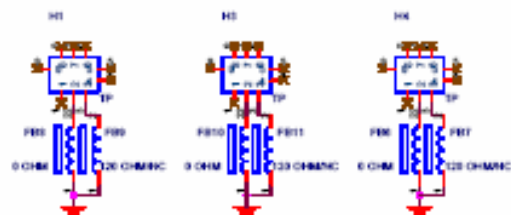




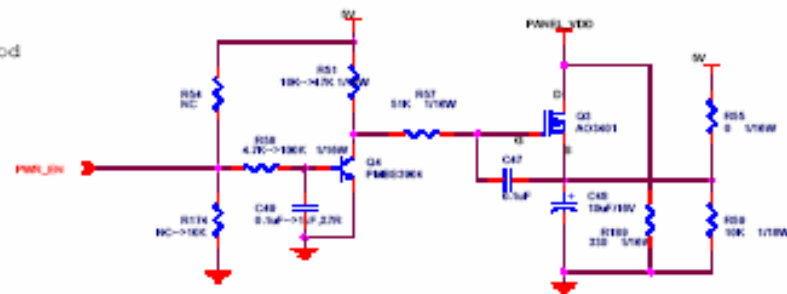
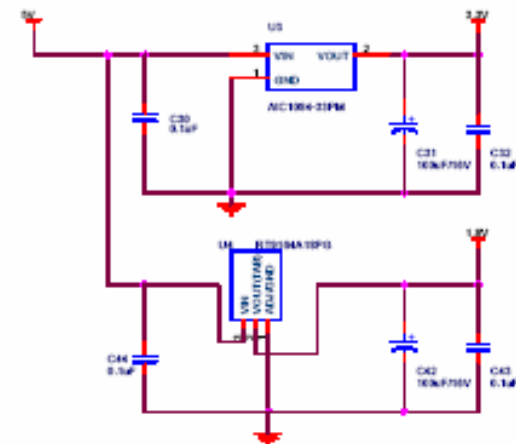
CPT request to add R9 for CTOC  
to monitor VCOM Klaus 060307



AOC Sam request Audio control method

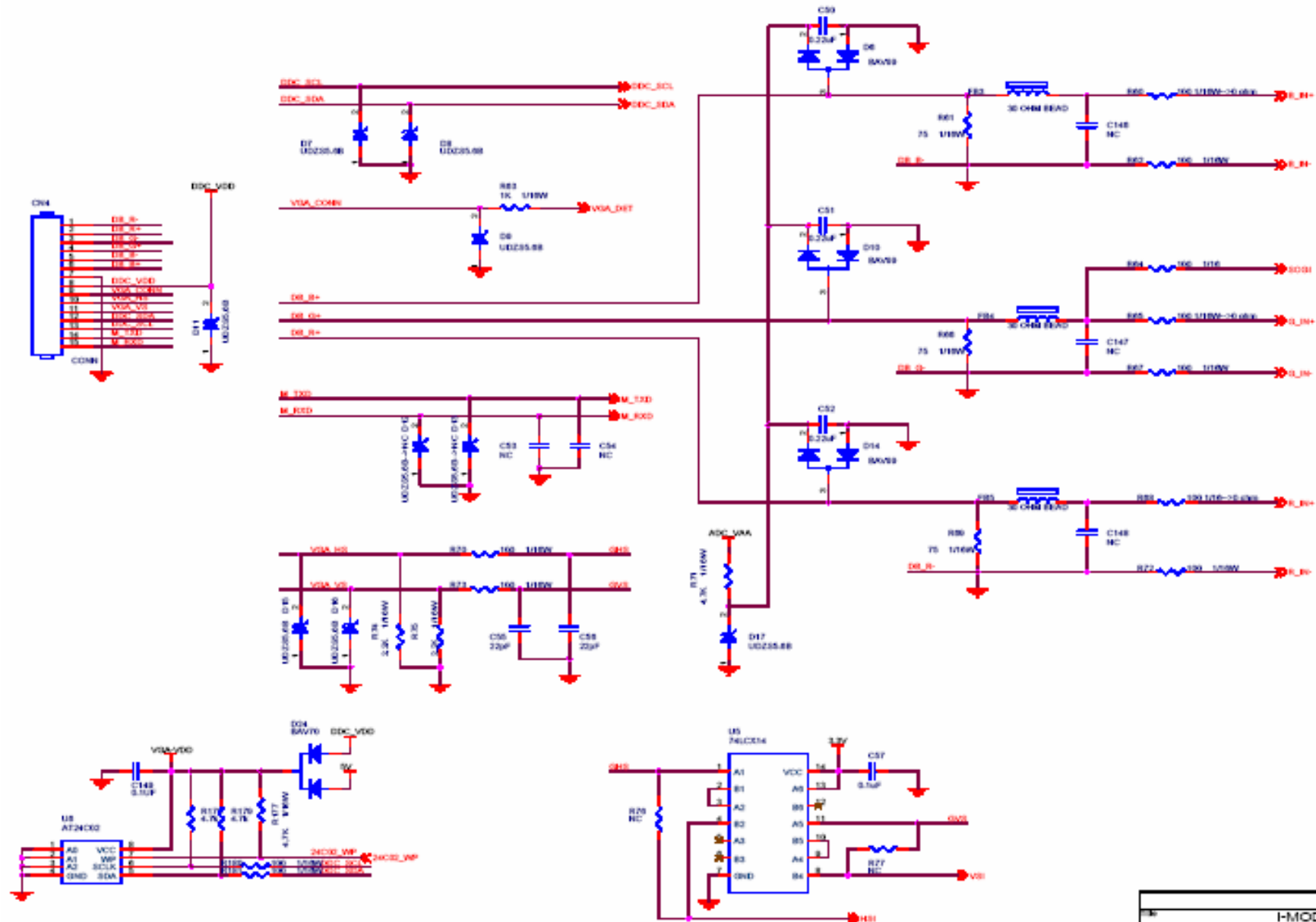


Add beads among ground wires for  
EMI Klaus 060307

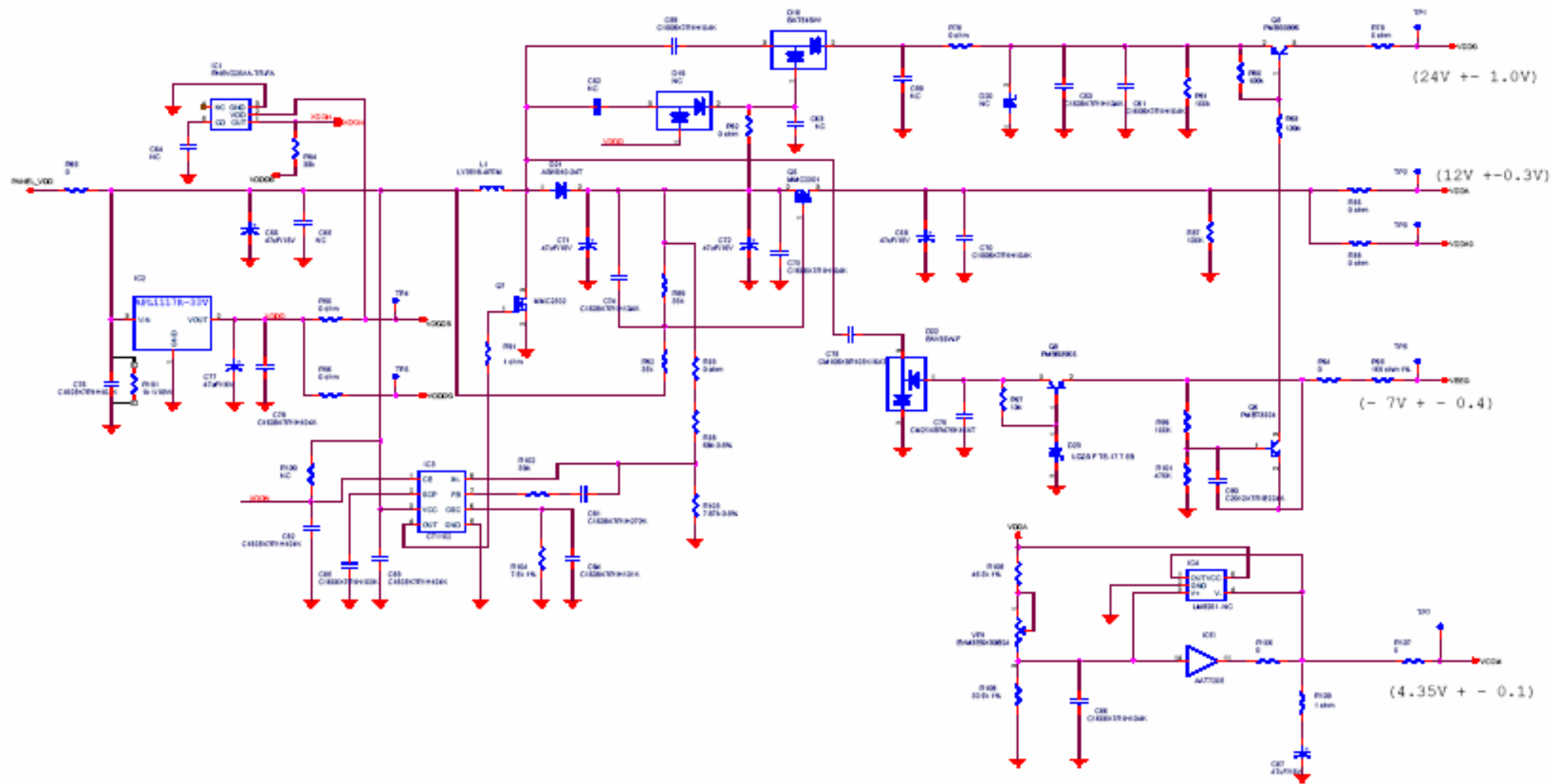


R58, R51, R174, C49  
changed for power  
sequence  
Klaus 060109

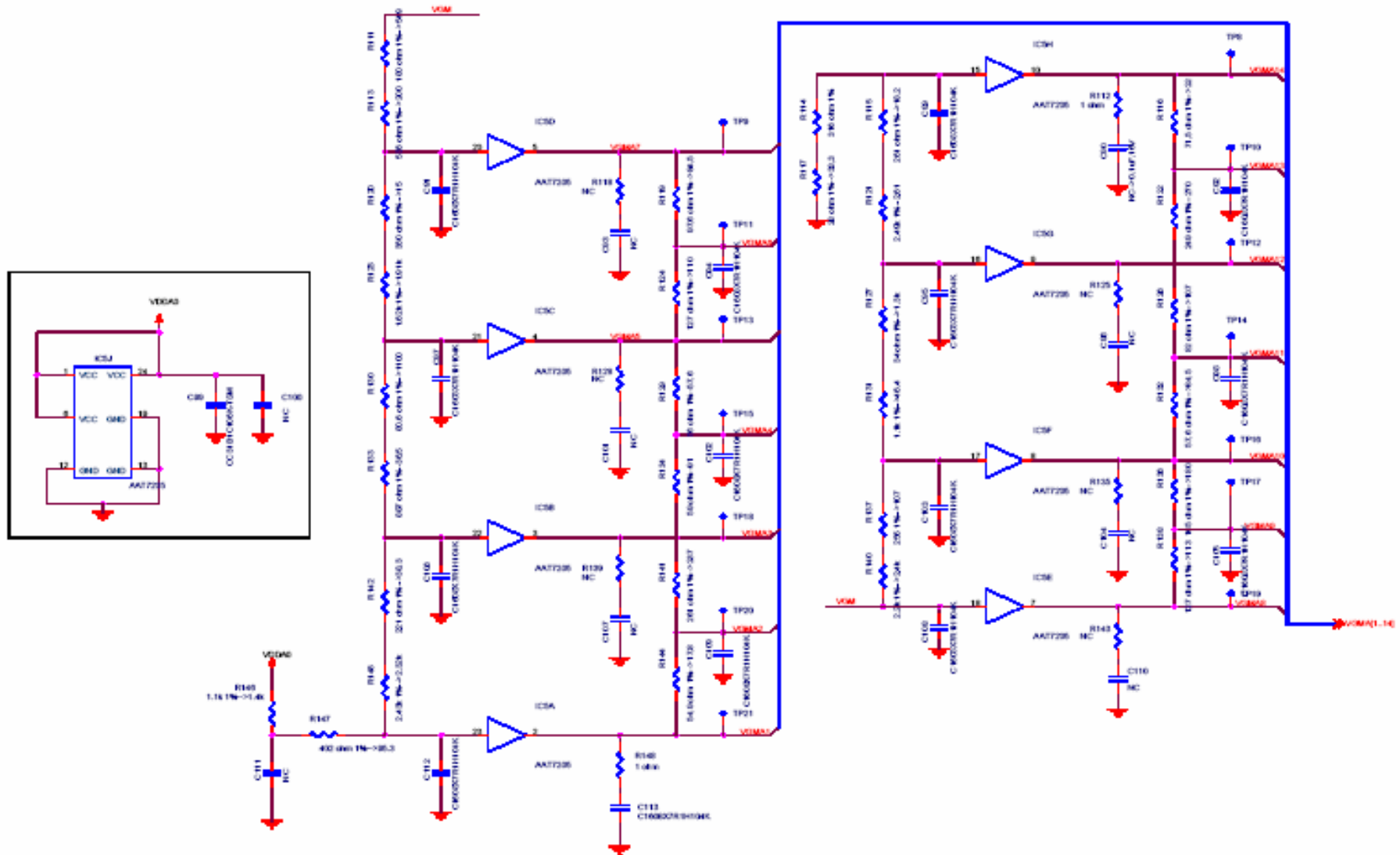
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POWER	5.1
POWER	
POWER	



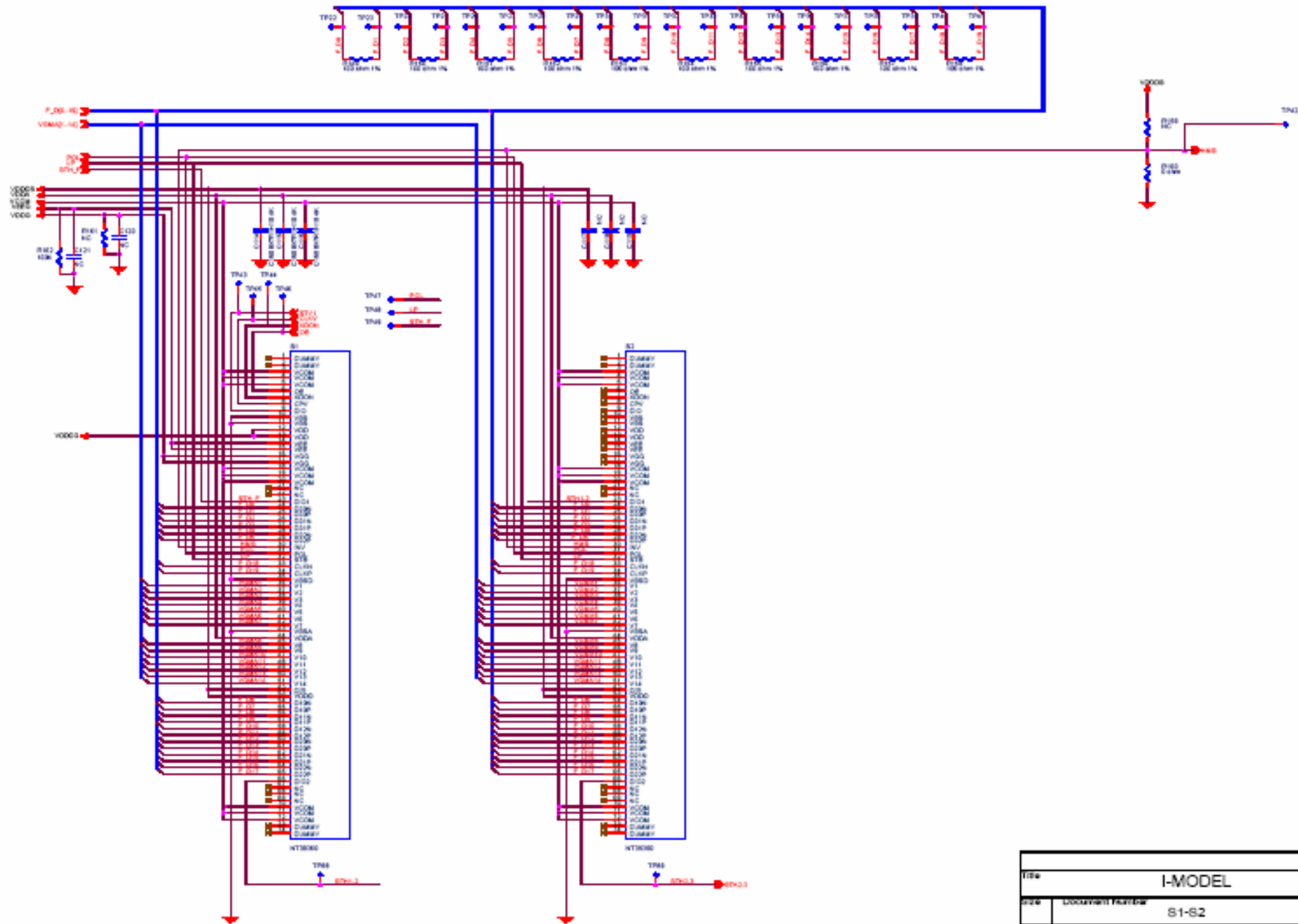
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VGA INPUT	
Rev	Rev
1.0	1.0

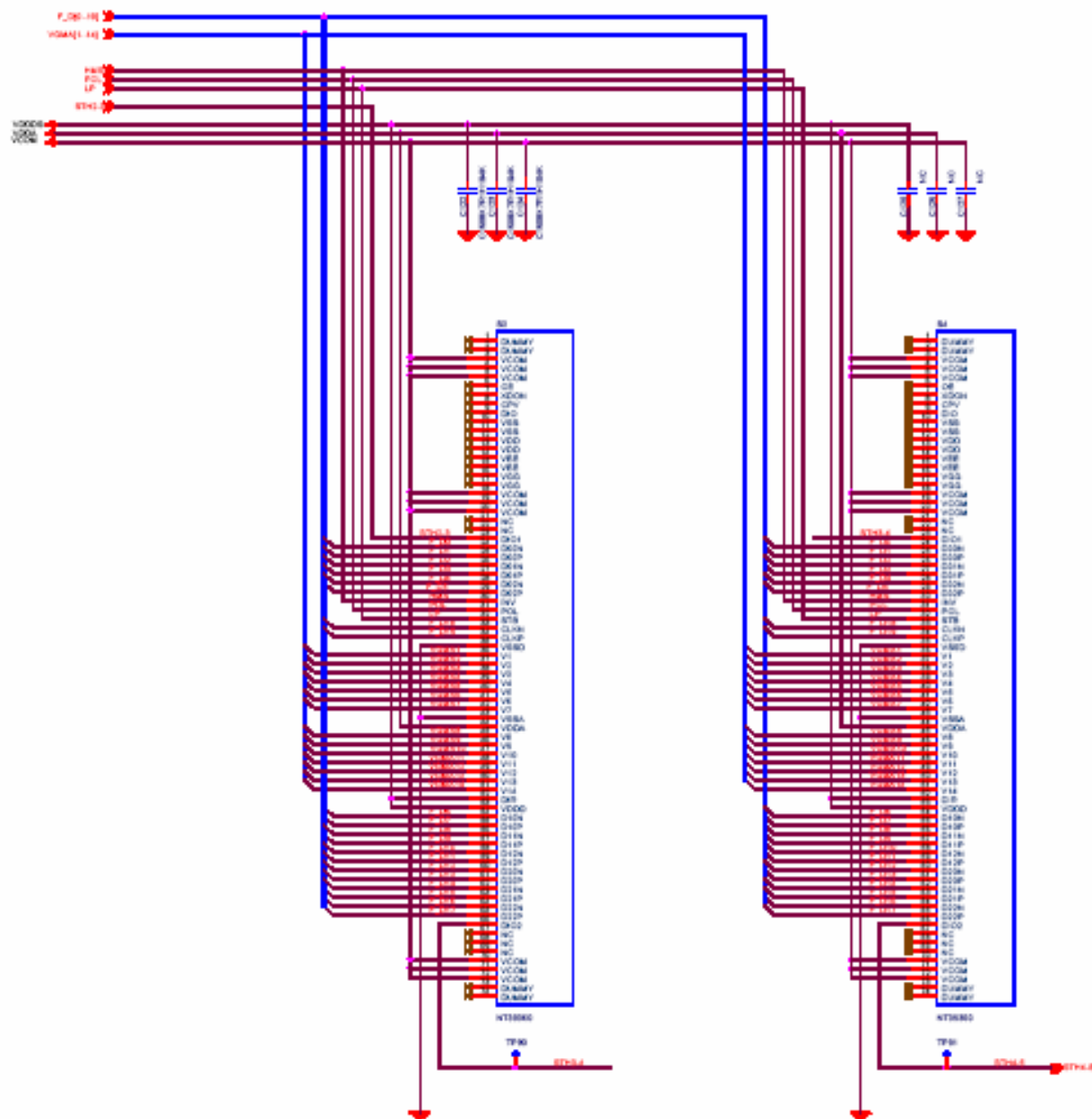


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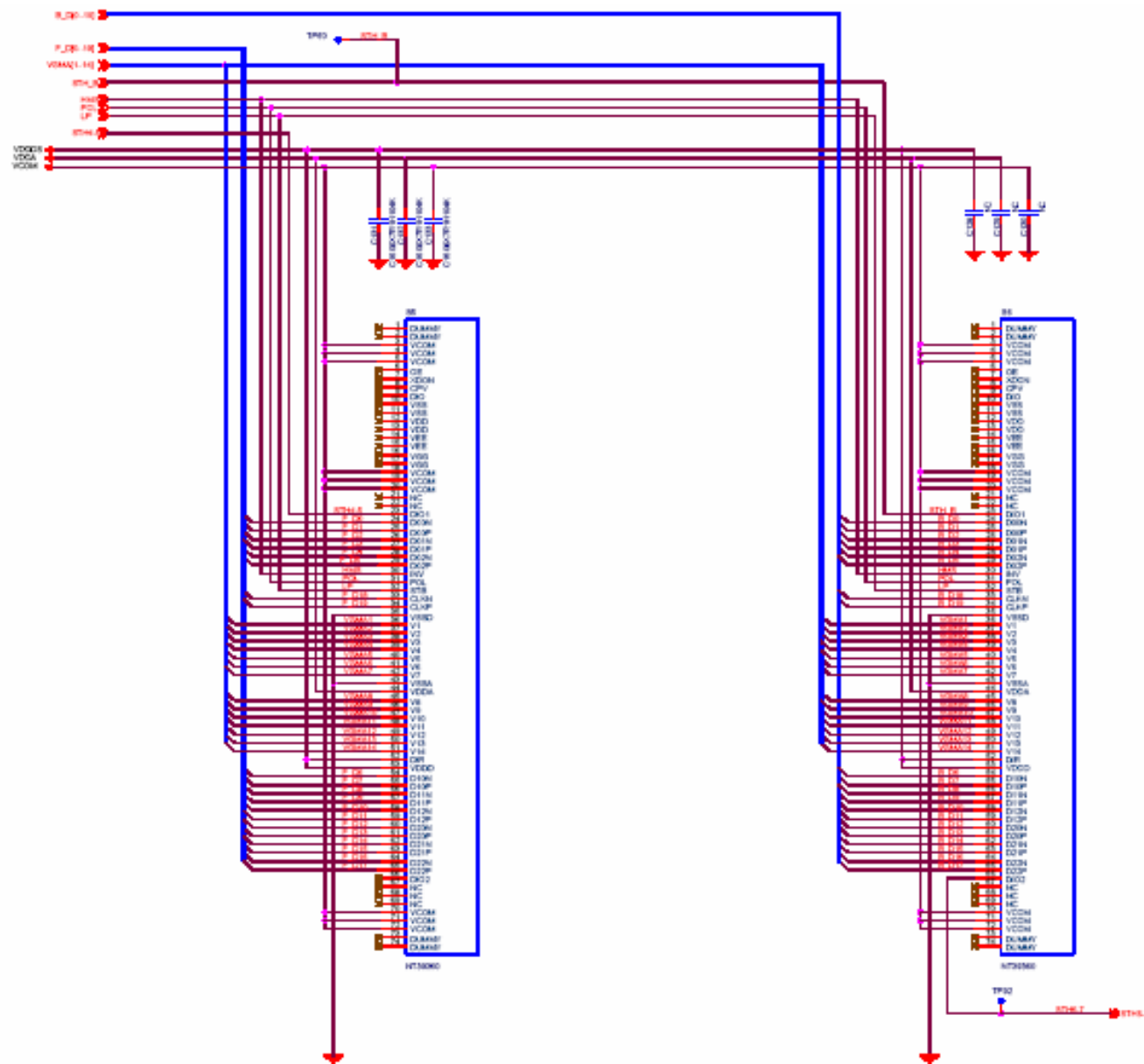


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VGMA		0.1
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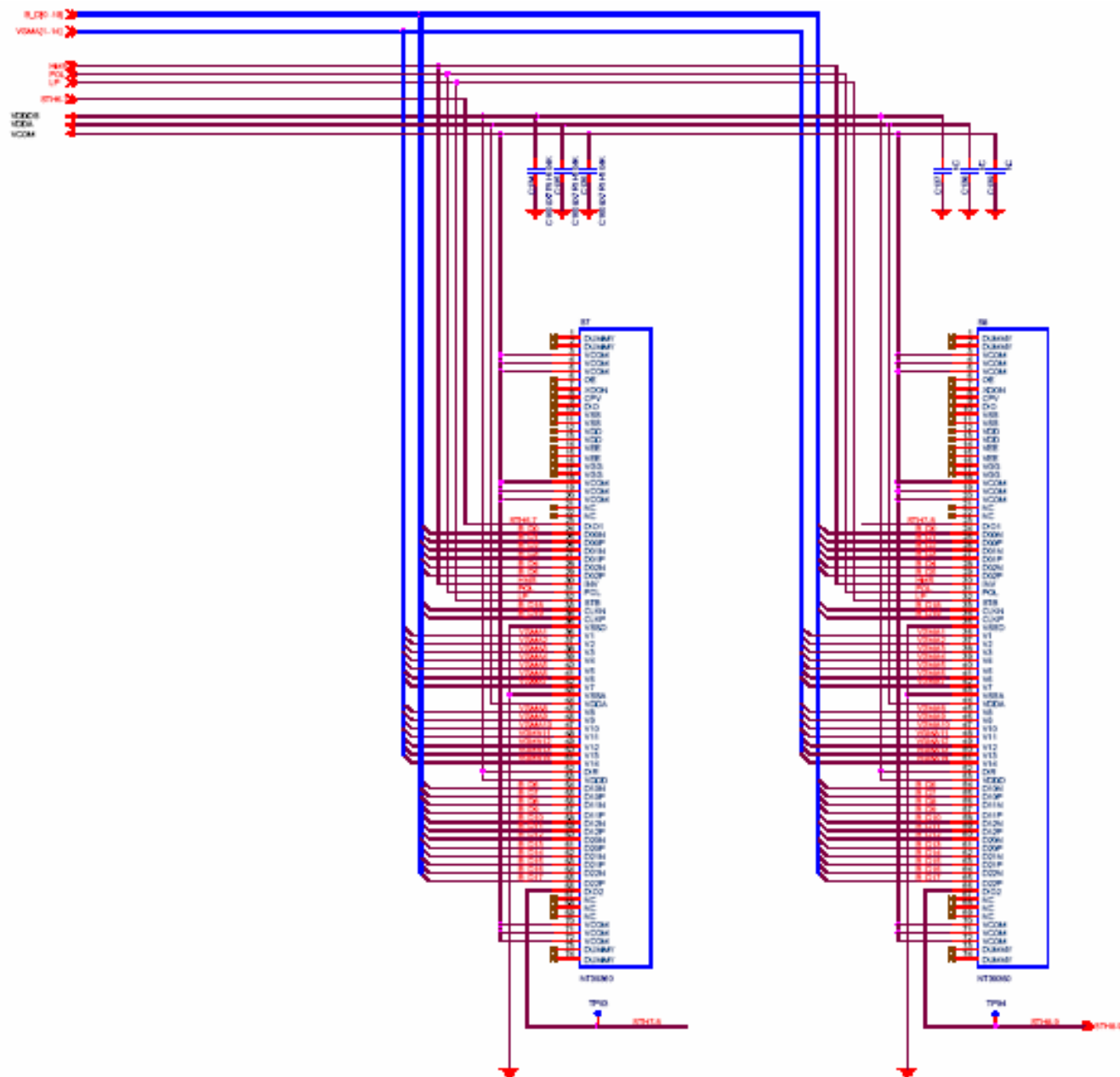


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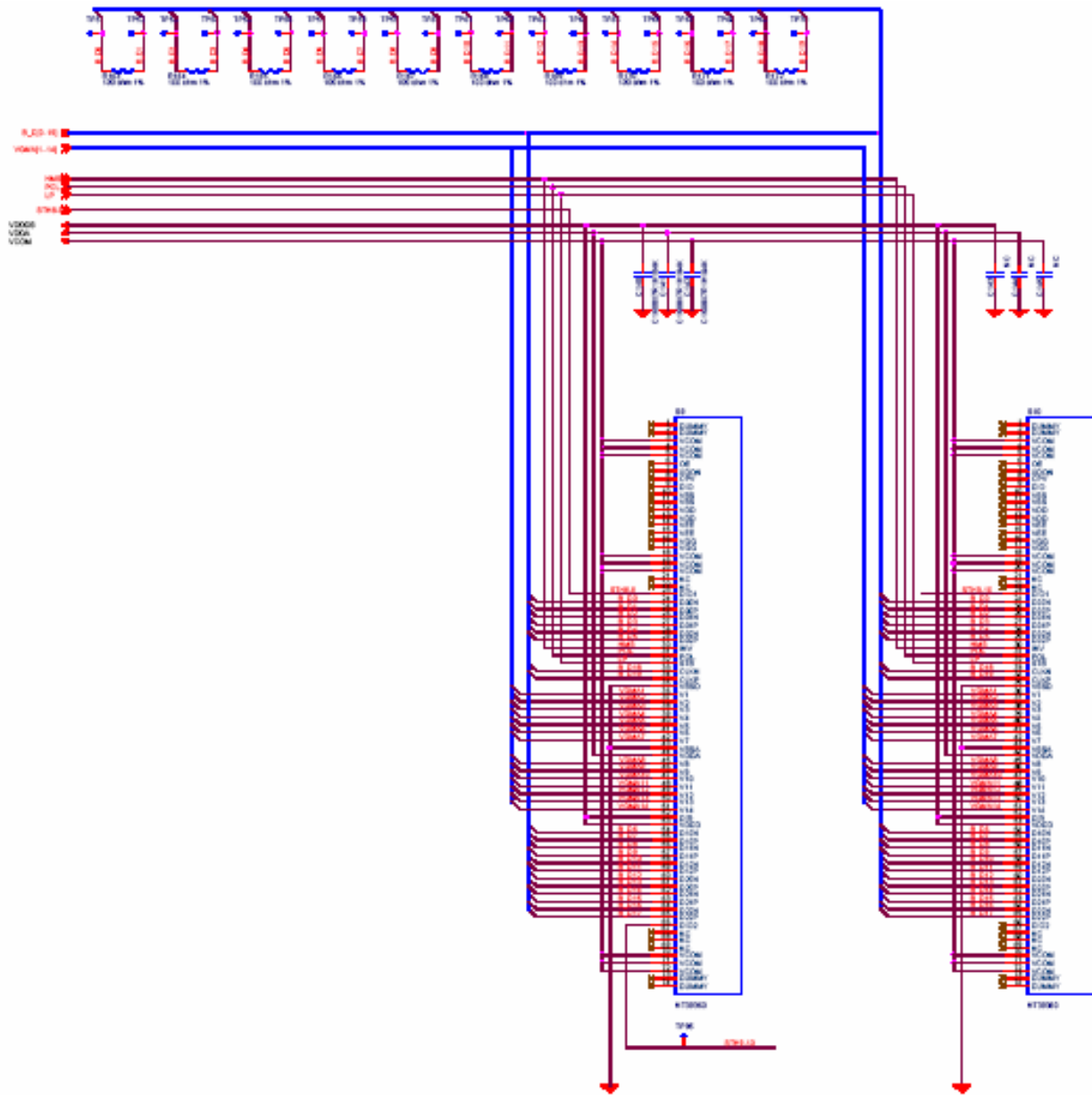


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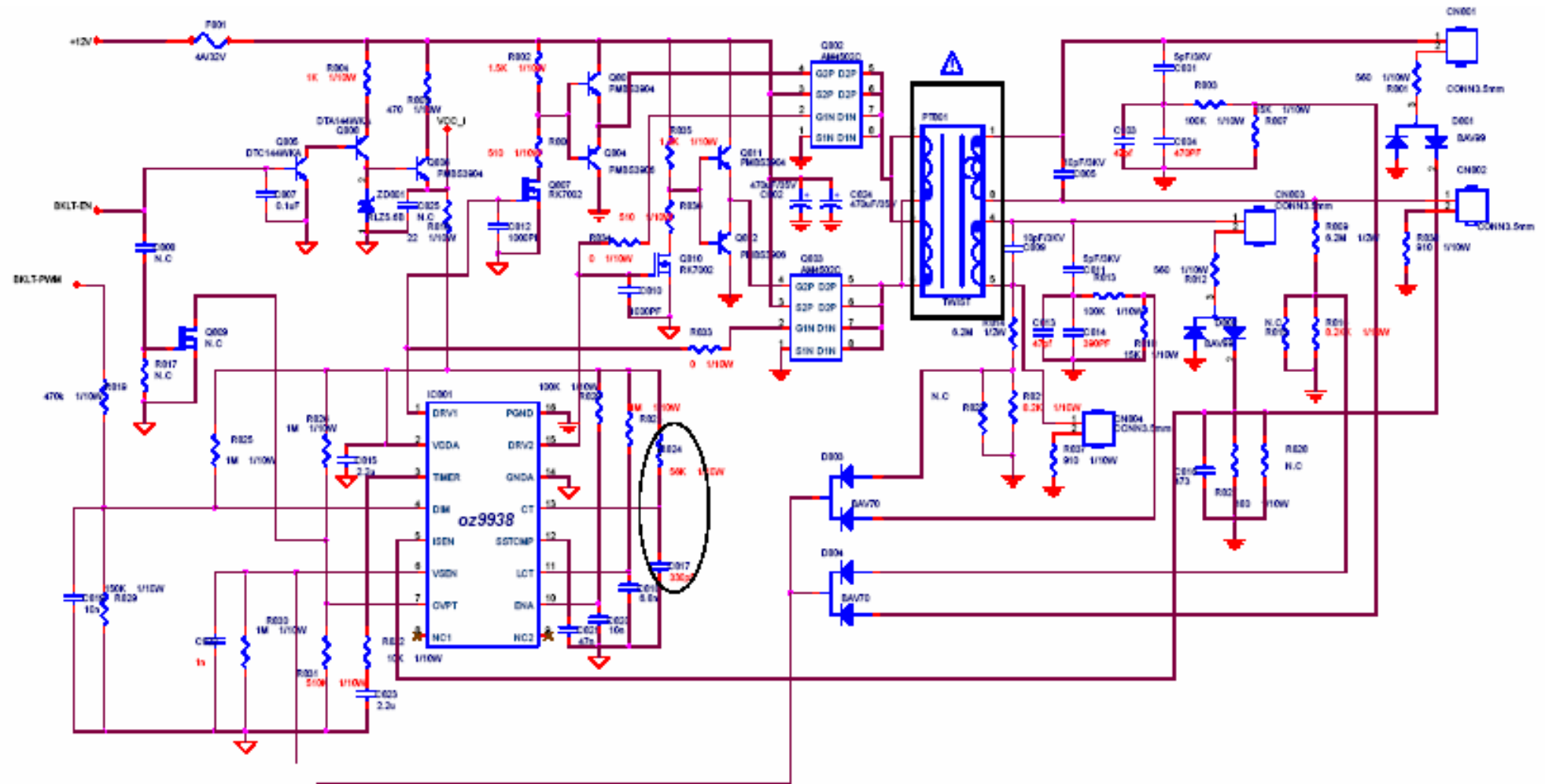


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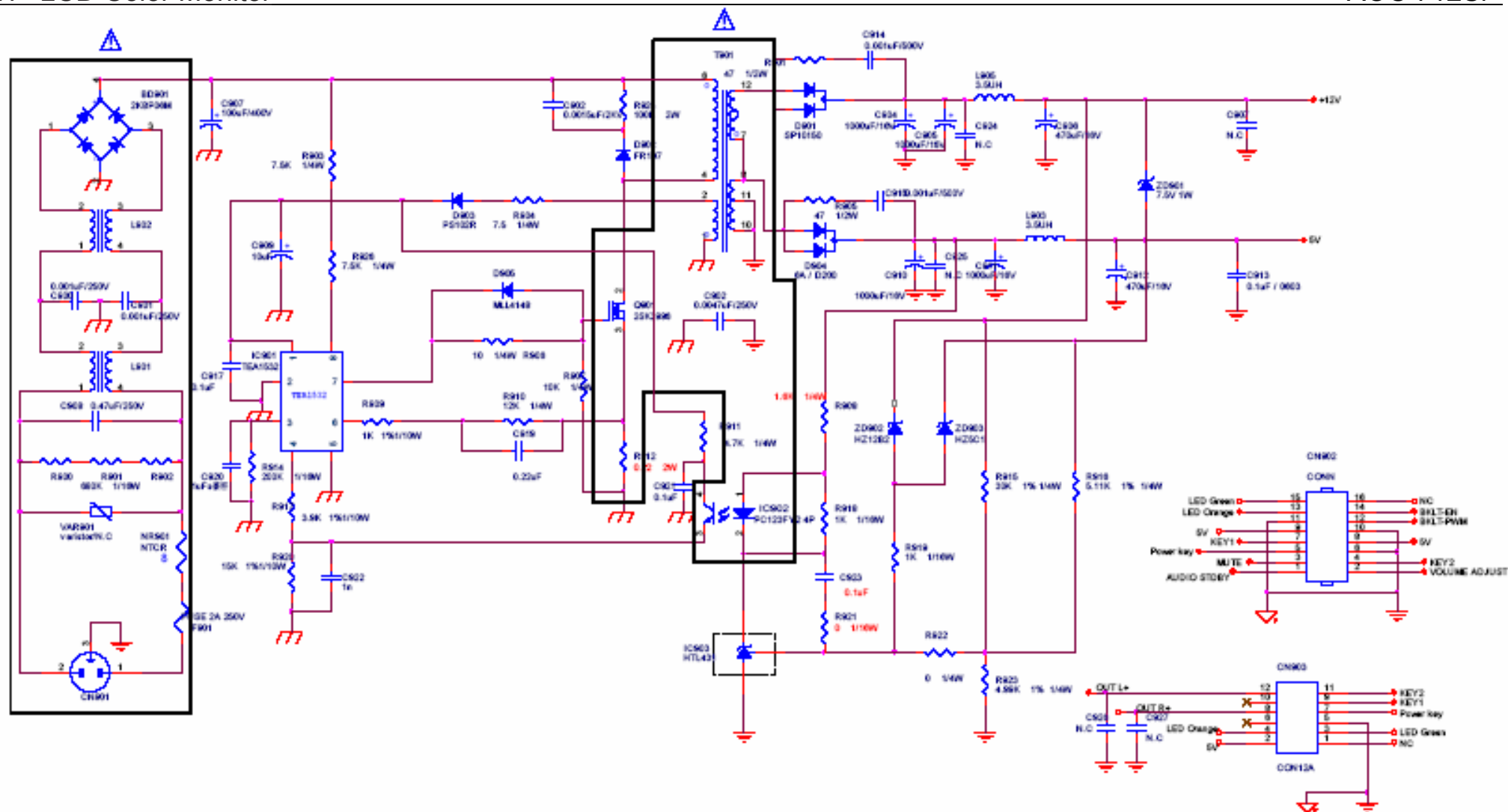


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AOC 712Si		

## 7.2 Inverter/ Power Board

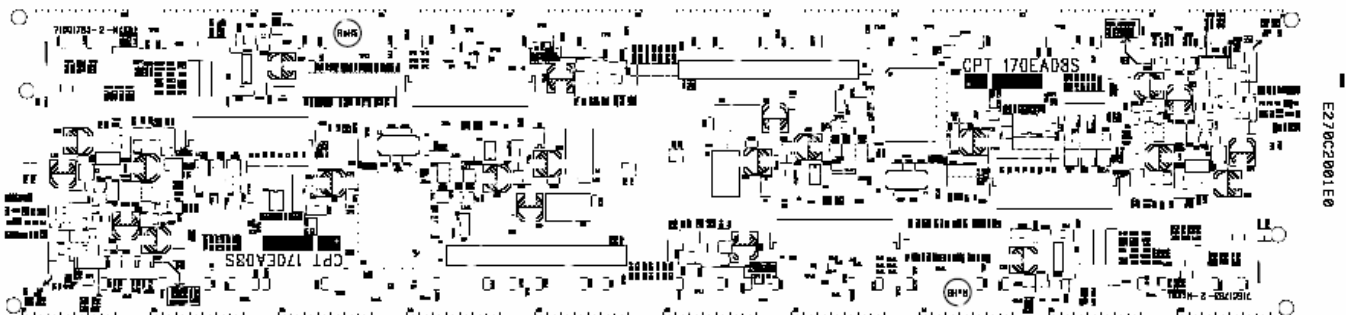
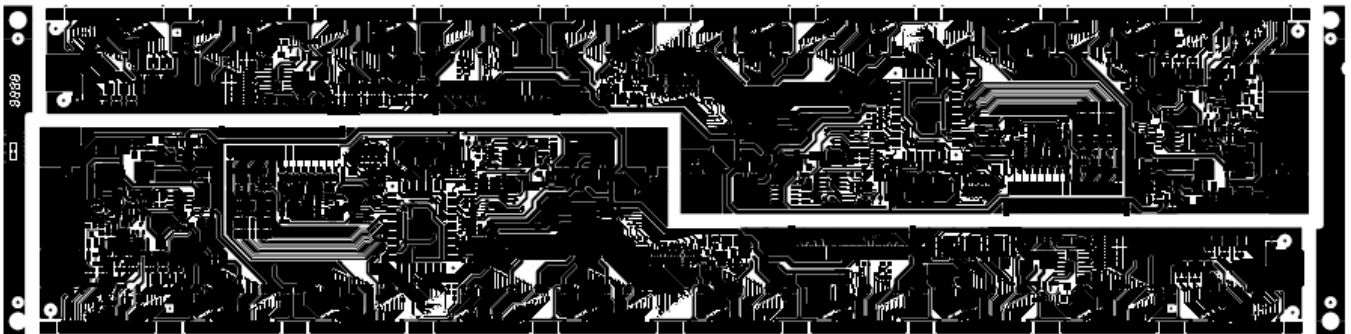
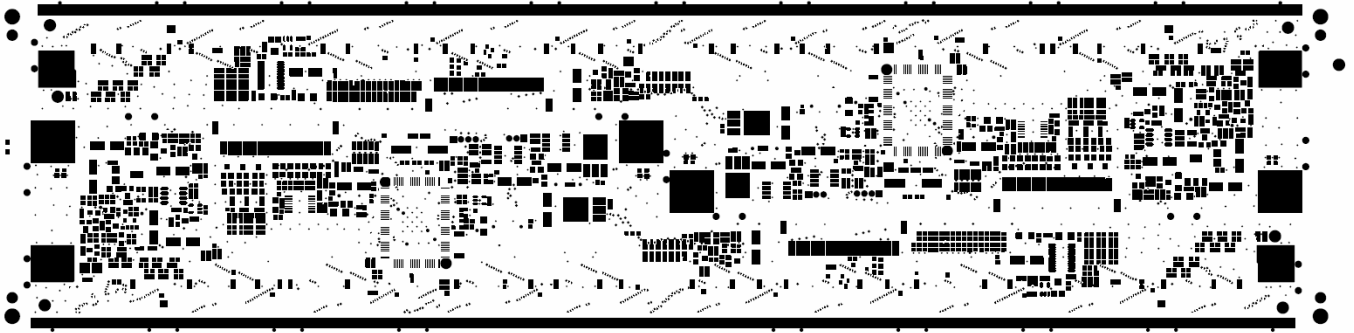


Rev		
OZ9938 Half Bridge for a CCFL Application		
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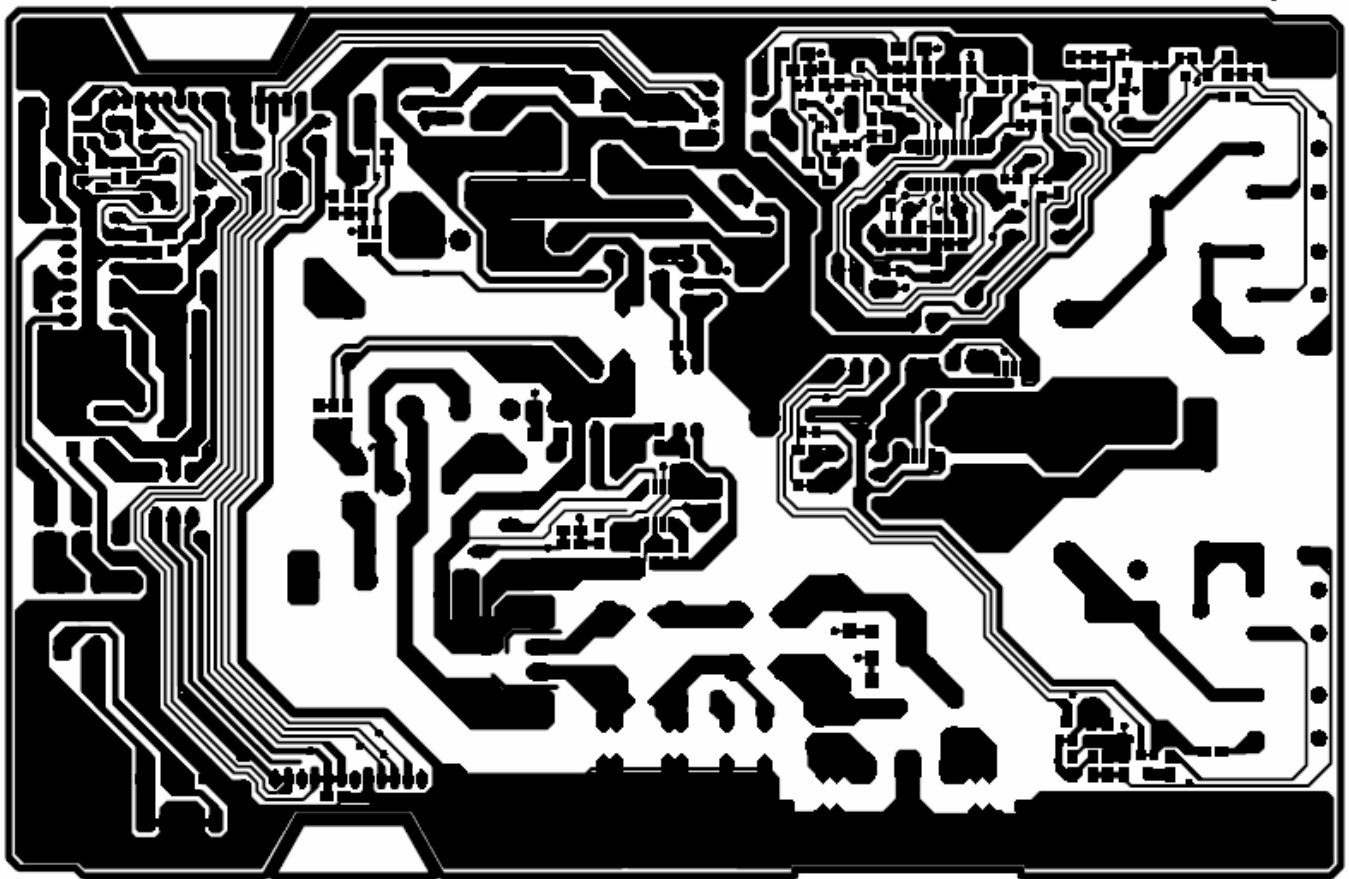


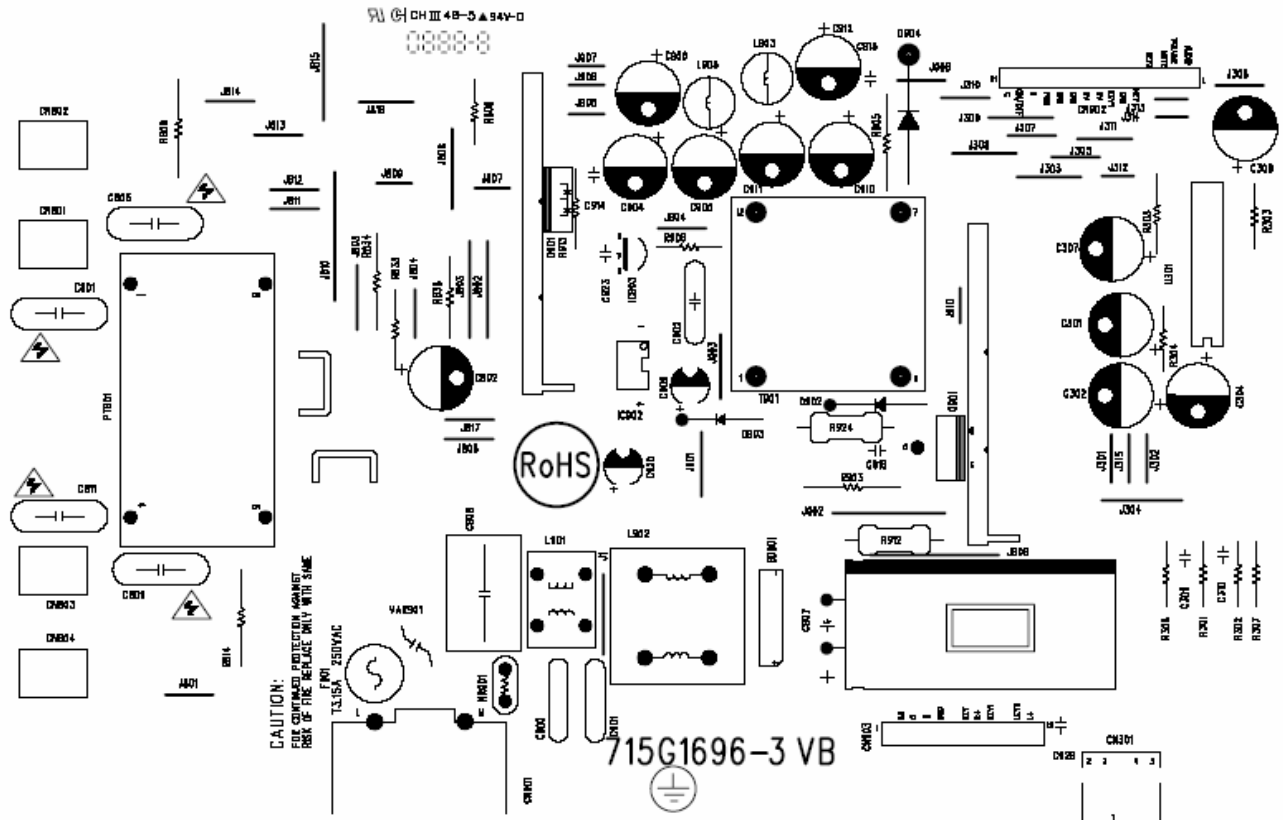
## 8. PCB Layout

### 8.1 Main Board

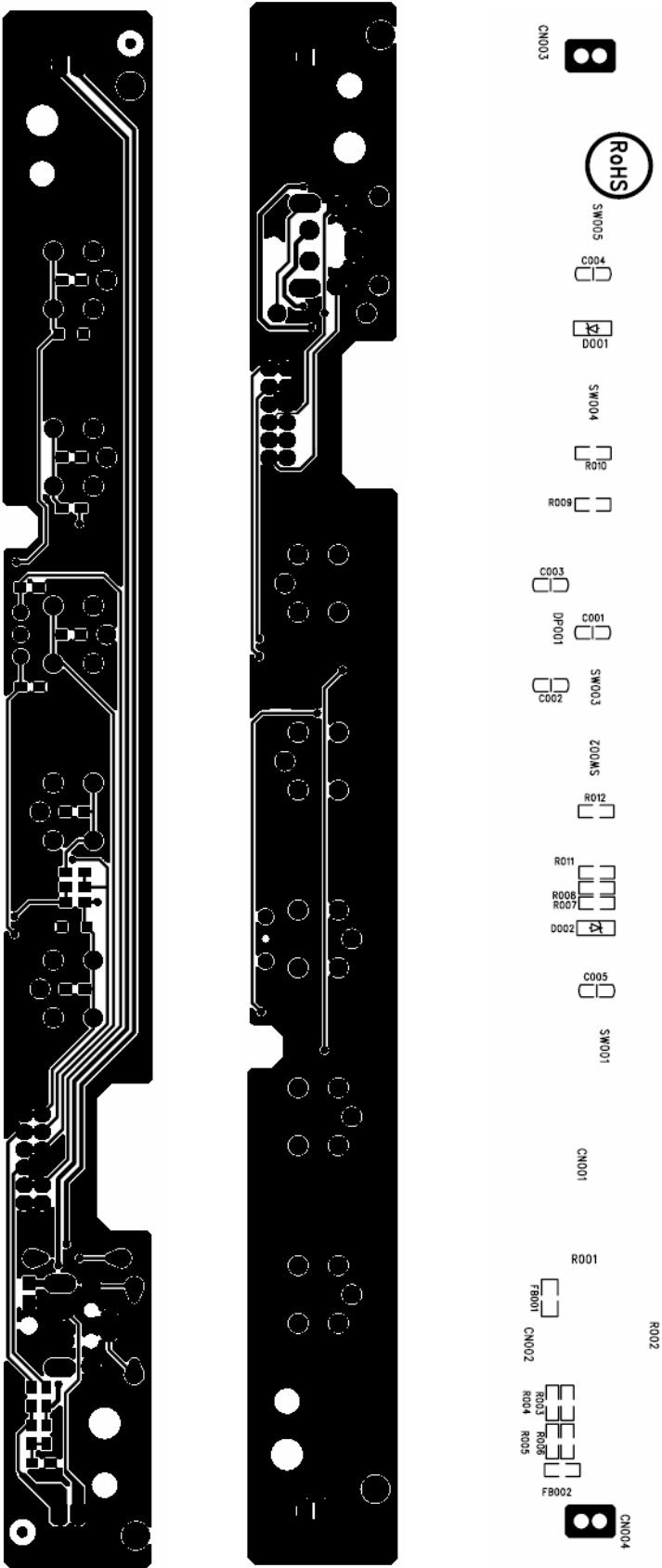


## 8.2 Power Board





8.3 Key Board





## **9. Maintainability**

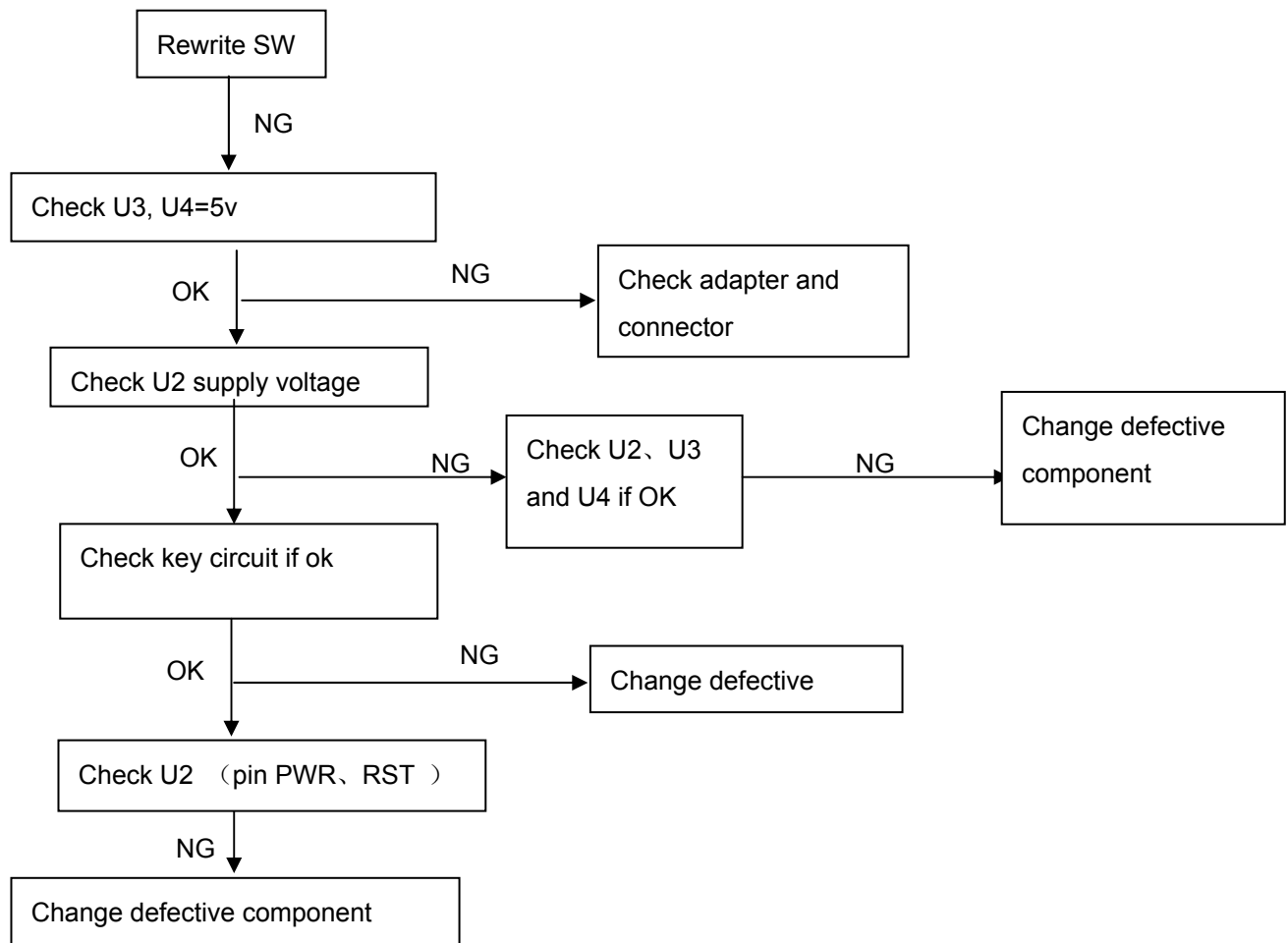
### **9.1 Equipment and Tools Requirement**

1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

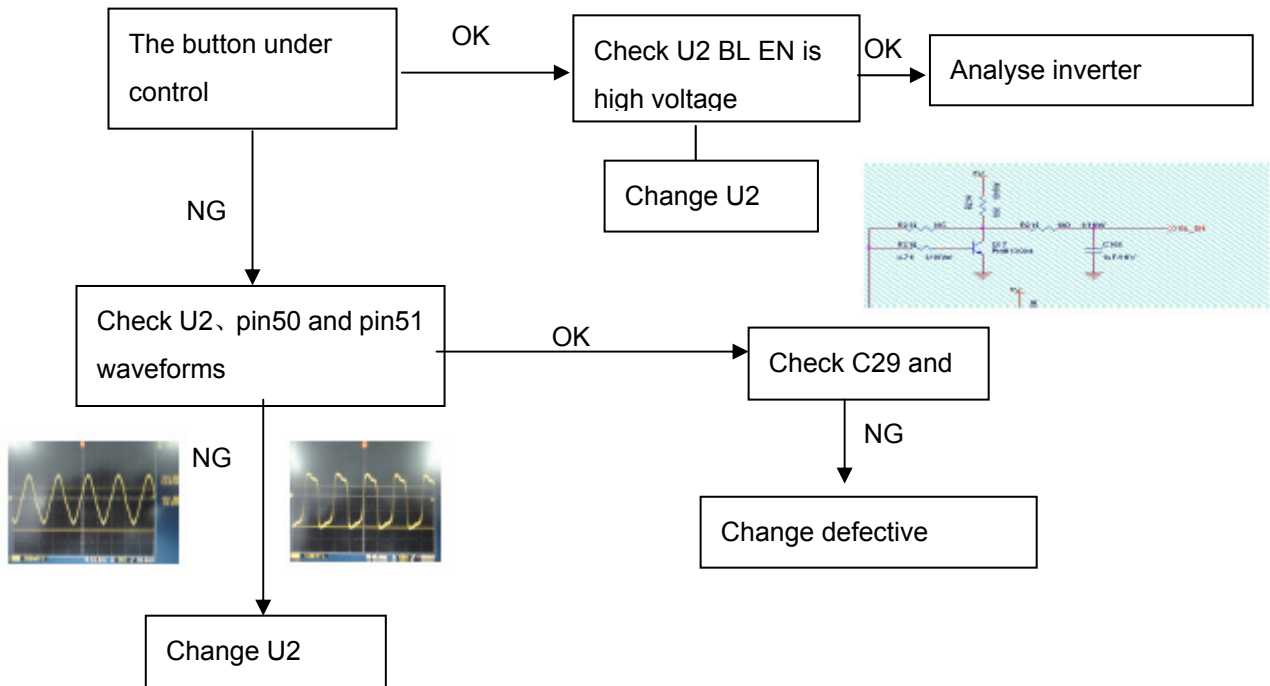
## 9.2 Trouble Shooting

### 9.2.1 Main Board

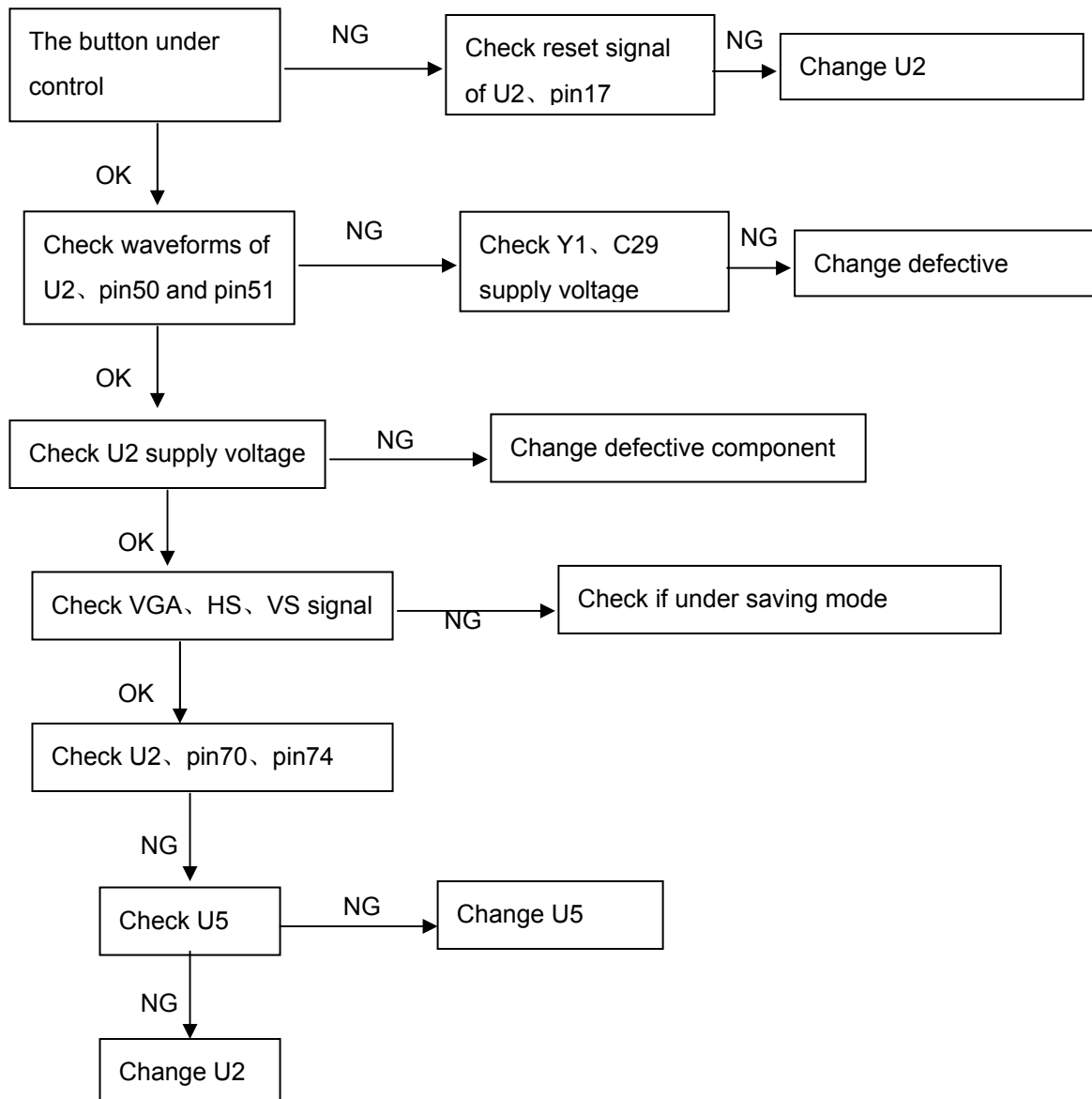
#### No Power (No LED indicator)

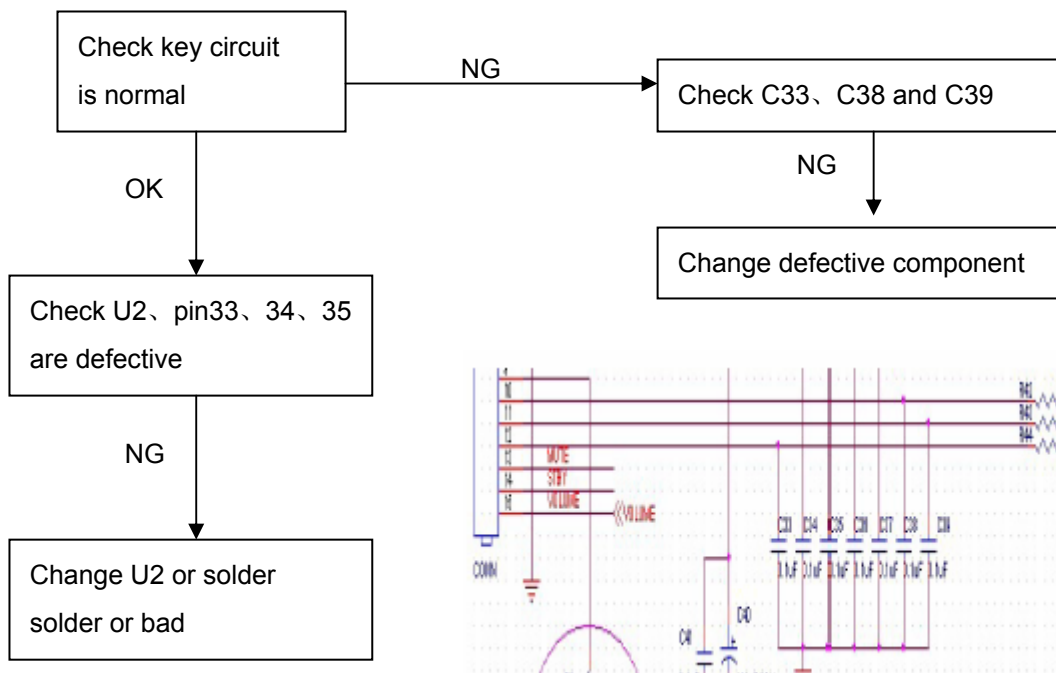
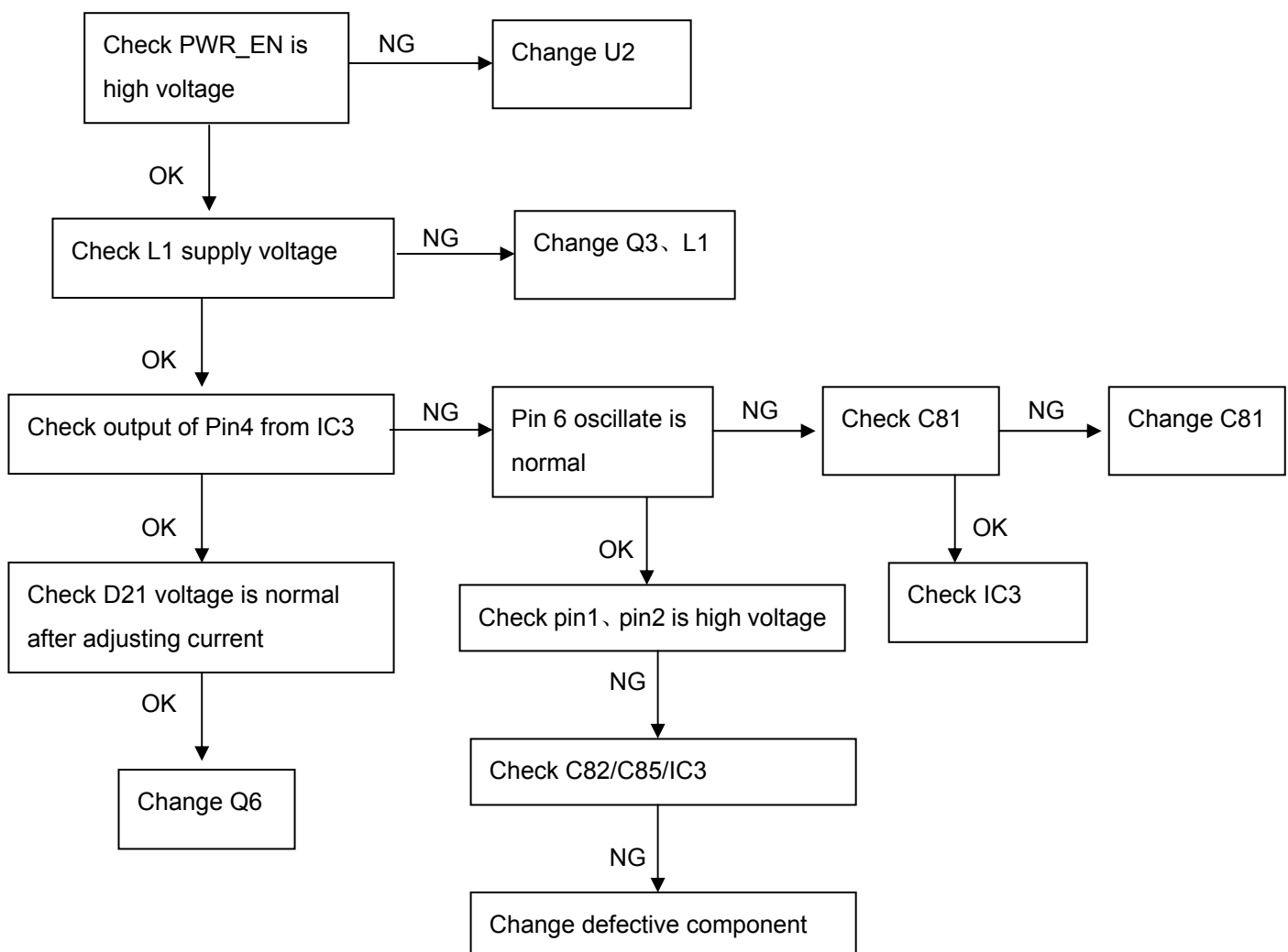


**No Picture (LED green)**

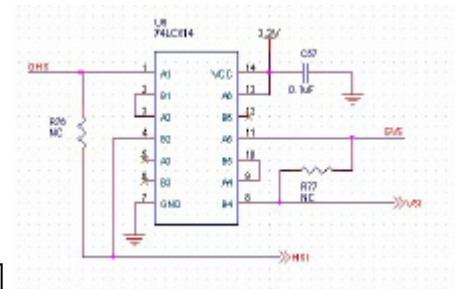
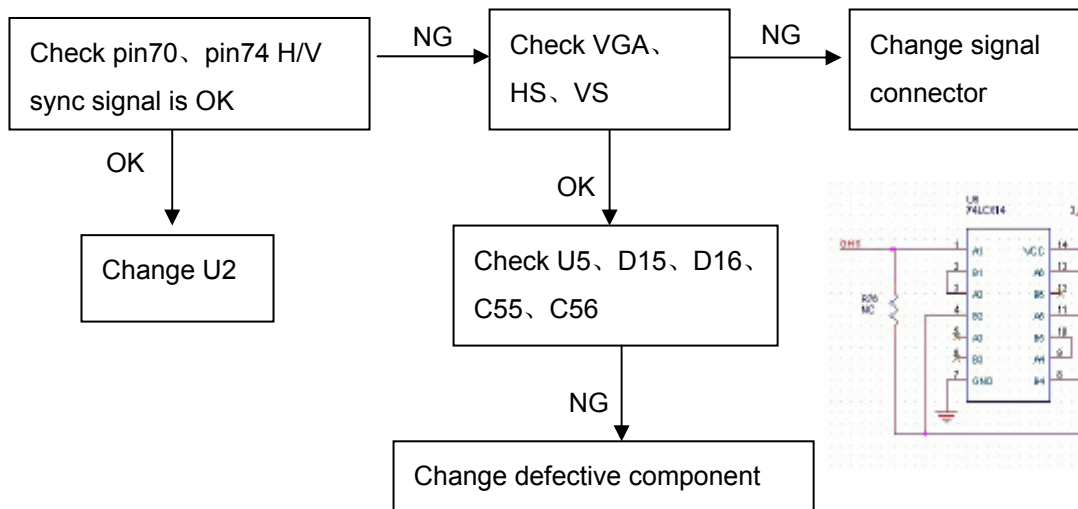


**No picture (LED orange)**

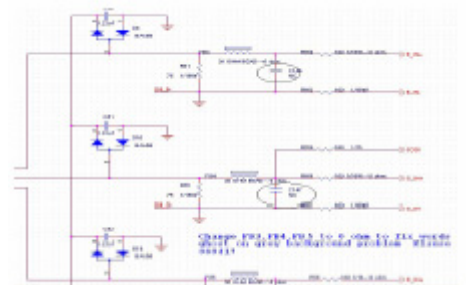
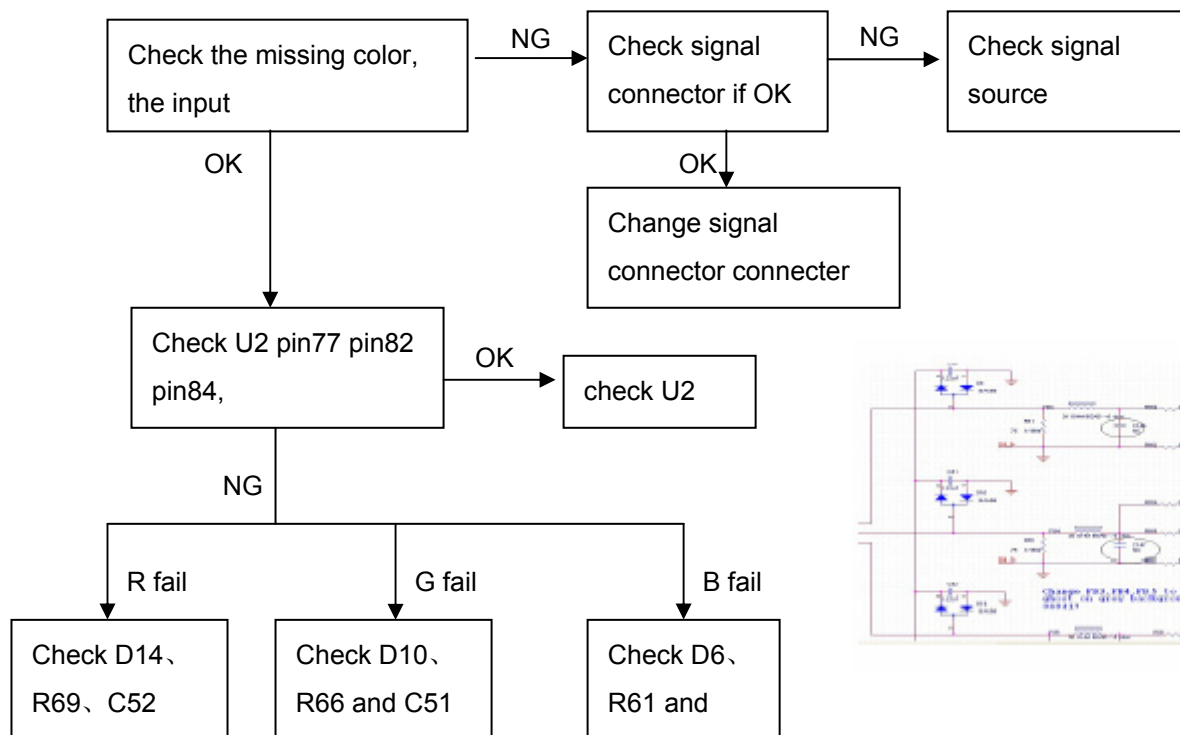


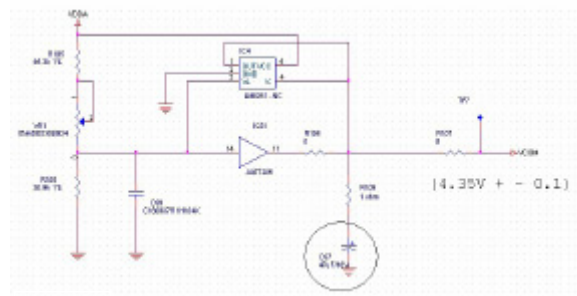
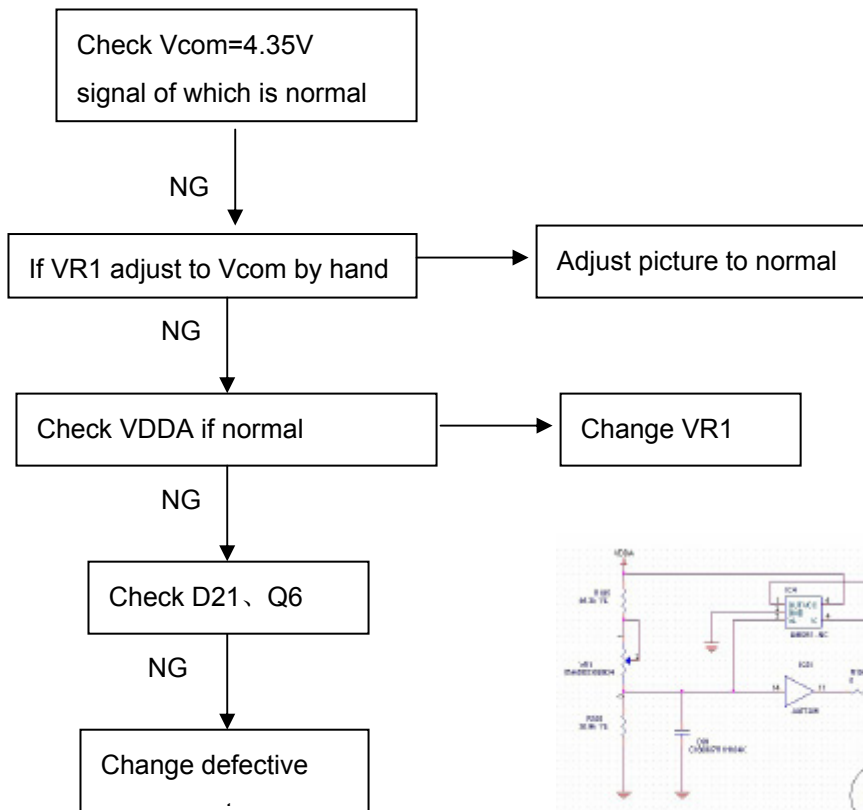
**No Use Of Pressing Key button****White Screen**

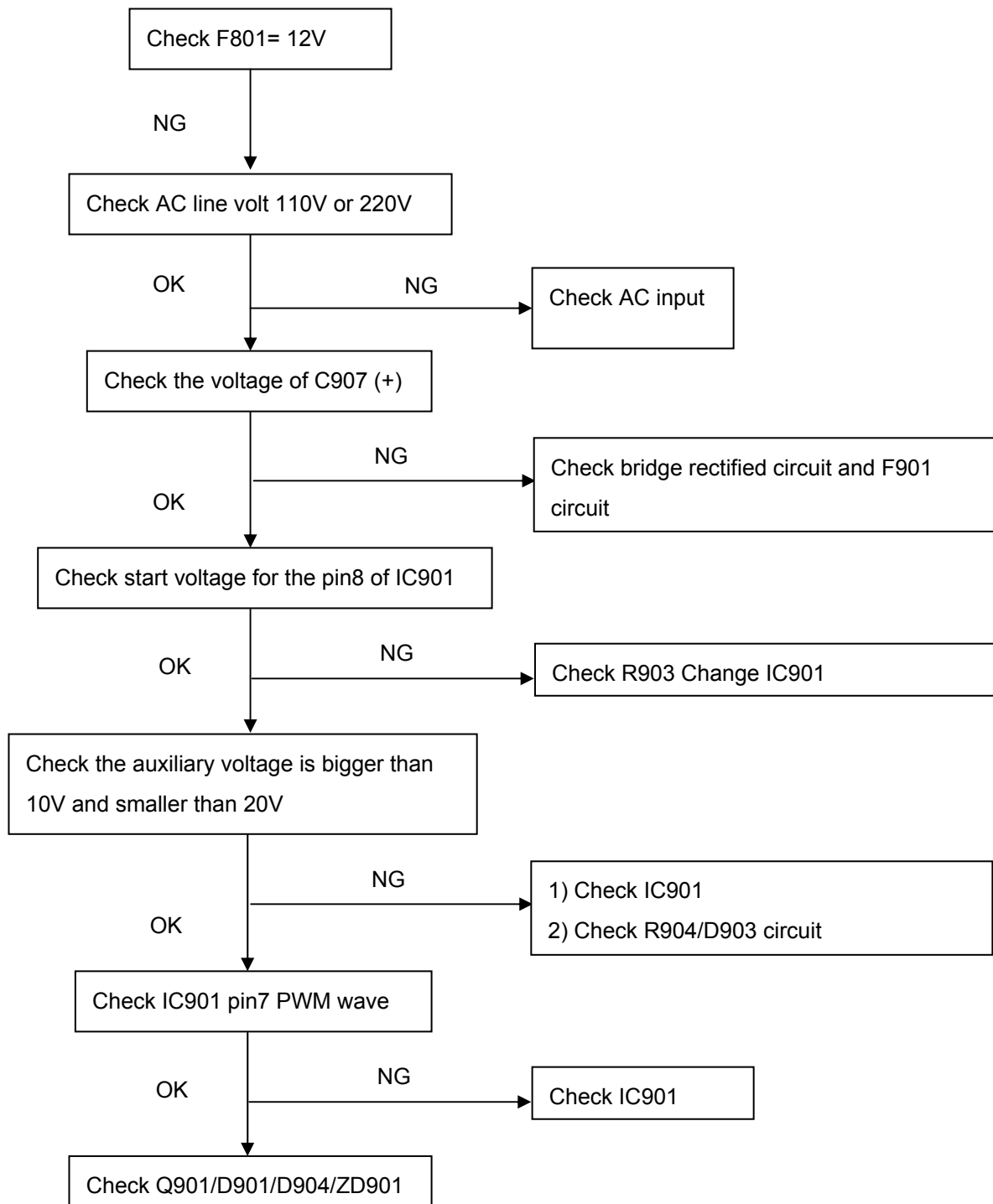
OSD is normal when on signal, no picture when connect signal (black screen)



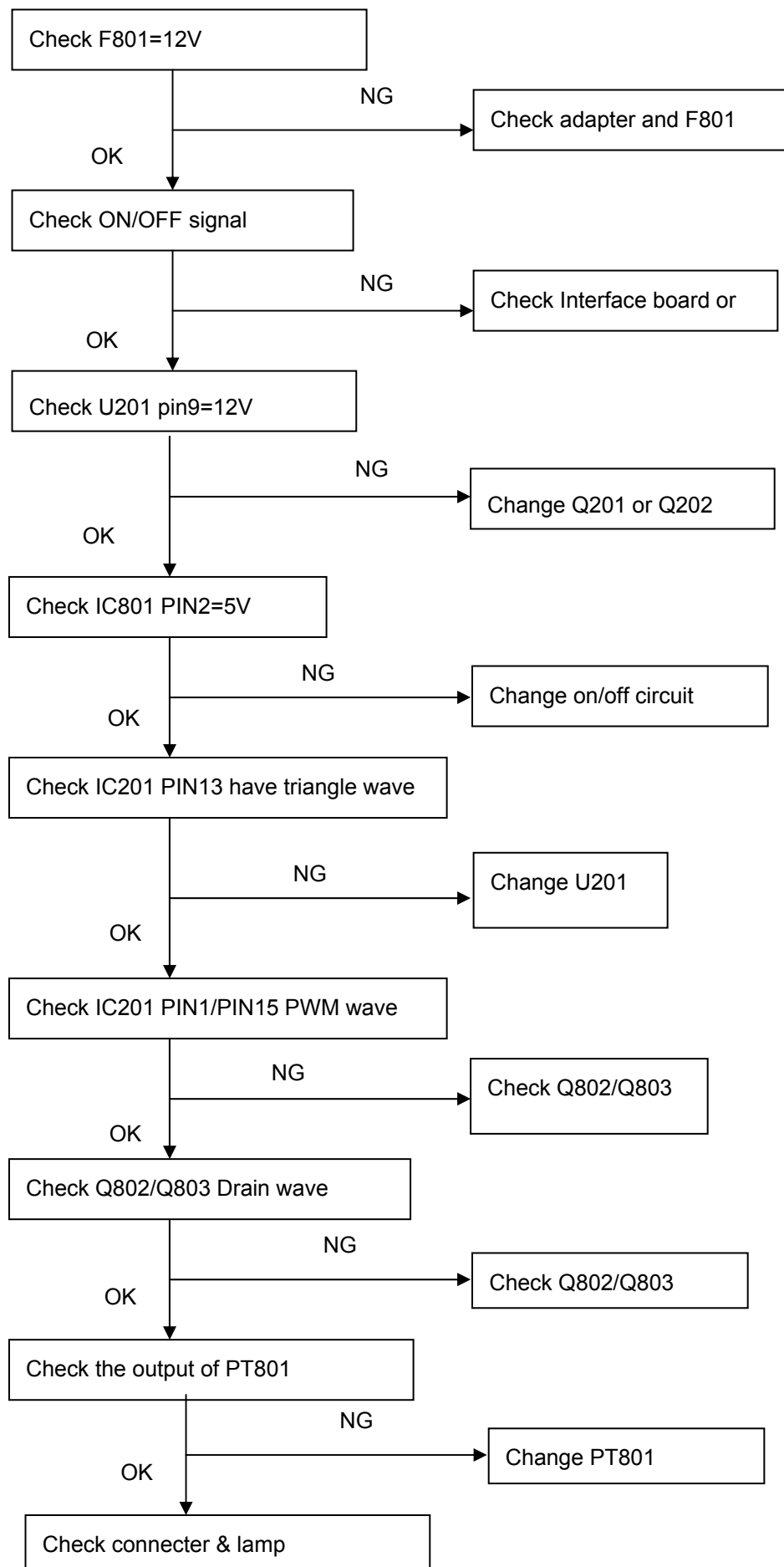
Miss color



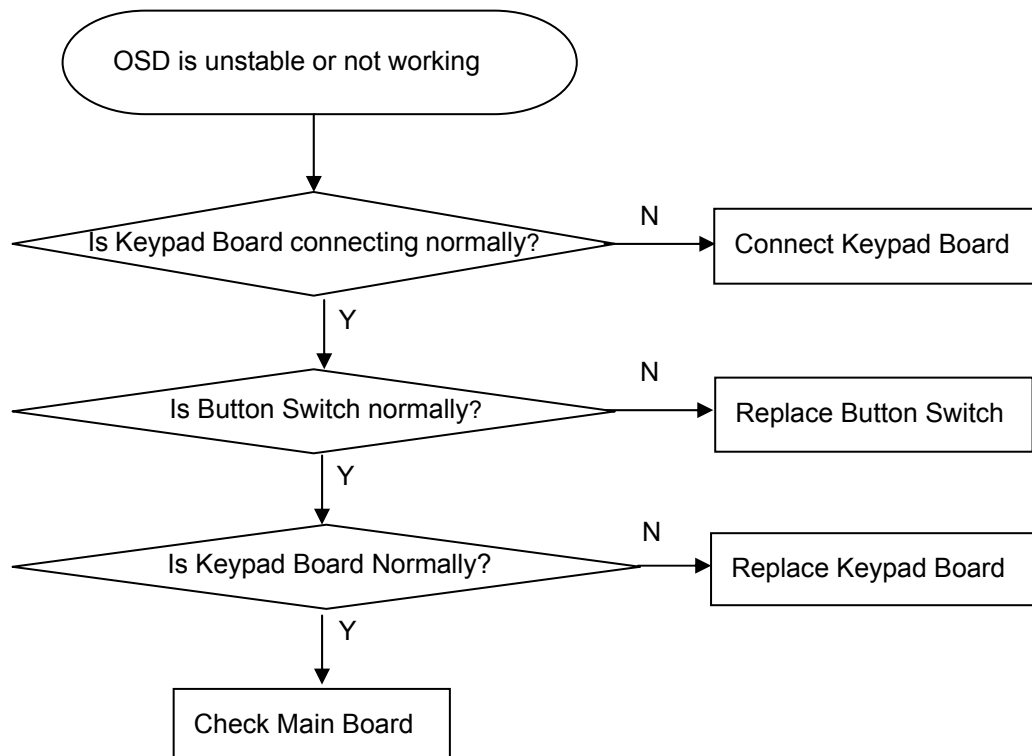
**Picture shake**

**9.2.2 Power Board**

## 2.) No Backlight





**9.2.3 Key Board**

## 10. White- Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding White-Balance adjustment.

### 1. How to do the Chroma-7120 MEM. Channel setting

A. Reference to chroma 7120 user guide

B. Use “**SC**” key and “**NEXT**” key to modify x, y, Y value and use “**ID**” key to modify the TEXT description Following is the procedure to do white-balance adjust

### 2. Setting the color temp. you want

A. MEM.CHANNEL 3 (7800 color):

7800 color temp. parameter is  $x = 296 \pm 20$ ,  $y = 311 \pm 20$ ,  $Y = 180 \text{ cd/m}^2$ .

B. MEM.CHANNEL 4 (6500 color):

6500 color temp. parameter is  $x = 313 \pm 20$ ,  $y = 329 \pm 20$ ,  $Y = 180 \text{ cd/m}^2$

### 3. Into factory mode of 712Si

Turn on power, press the MENU button, pull out the power cord, and then plug the power cord. Then the factory OSD will be at the left top of the panel.

### 4. Bias adjustment:

Set the **Contrast**  to 50; Adjust the **Brightness**  to 90.

### 5. Gain adjustment:

Move cursor to “-F-” and press MENU key

#### A. Adjust C2 (7800) color-temperature

1. Switch the Chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM. Channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show  $x = 296 \pm 20$ ,  $y = 311 \pm 20$ ,  $Y = 180 \text{ cd/m}^2$
4. Adjust the RED of color1 on factory window until chroma 7120 indicator reached the value  $R=100$
5. Adjust the GREEN of color1 on factory window until chroma 7120 indicator reached the value  $G=100$
6. Adjust the BLUE of color1 on factory window until chroma 7120 indicator reached the value  $B=100$
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance  $=100 \pm 5$

#### B. Adjust C1 (6500) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 4 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show  $x = 313 \pm 20$ ,  $y = 329 \pm 20$ ,  $Y = 180 \text{ cd/m}^2$
4. Adjust the RED of color3 on factory window until chroma 7120 indicator reached the value  $R=100$
5. Adjust the GREEN of color3 on factory window until chroma 7120 indicator reached the value  $G=100$
6. Adjust the BLUE of color3 on factory window until chroma 7120 indicator reached the value  $B=100$
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance  $=100 \pm 5$

#### C. Turn the Power-button off to quit from factory mode.

**11. BOM List****T77CNNKHAA1FIE**

Location	Part No.	Description
	KEPC7HA4	KEY BOARD
	PWPC1741CE2P	POWER BOARD
	15G8266 1	AC BKT
	26G 800504 7	BARCODE
	40G 58162435A	MANUAL LABEL
	41G780061532C	SA CENTER LIST
	50G 600 2	HANDLE1
	50G 600 3	HANDLE2
	52G 1185	MIDDLE TAPE
	52G 1186	SMALL TAPE
	52G6020 11	PROTECT FILM
	85G 721 1	SHIELD
E089A	89G 745HAA 1	SIGNAL CABLE HONGLIN
	89G402A15N IS	POWER CORD
	M1G 330 4128 CR3	SCREW M3X4
	M1G 330 6 47 CR3	SCREW 3X6mm
	M1G 340 6 47 CR3	SCREW
	M1G 340 8225 CR3	SCREW 4*8mm
	M1G1130 6128 CR3	SCREW
	M1G1140 6128 CR3	SCREW
	M1G1730 6128 CR3	SCREW M3x6
	Q1G 330 8128 CR3	SCREW 3X8mm
	705GH734008	ASS'Y
	750GLV70M8Q61V	PANEL CLAA170EA08QI 000
	A15G0028 1	VESA BKT
	A33G0030 GM 1L 32	CABLE COVER
	A33G0060 1	POWER LENS
	A33G0067 Q1 L	KEY PAD
	A34G0095 Q1Z9B 30	BEZEL
	A34G0096 GMZAB	REAR COVER
	H40G 17N61537A	ID LABEL
	H41G170061533B	MANUAL
	H44G700761530A	CARTON
	H45G 87 1 2H R	PE BAG FOR MONITOR
	H45G 87 4 H R	PE BAG FOR BASE
	H45G 87 4 H R	PE BAG FOR BASE
	H52G6025 16006	INSULATE SHEET

	J44G7007 1	EPS
	J44G7007 2	EPS
	Q15G0022 2	HINGE BRACKET
	Q45G 88606 14 R	PE BAG
CN001	33G8027 12 H	PIN HEADER 2*6 R/A
SW001	77G 600 1GCJ	TACT SWITCH TSPB-2
SW002	77G 600 1GCJ	TACT SWITCH TSPB-2
SW003	77G 600 1GCJ	TACT SWITCH TSPB-2
SW004	77G 600 1GCJ	TACT SWITCH TSPB-2
SW005	77G 600 1GCJ	TACT SWITCH TSPB-2
DP001	81G 12 2 GP	LED
R009	61G0603103	RST CHIPR 10KOHM +-5% 1
R011	61G0603103	RST CHIPR 10KOHM +-5% 1
C002	65G0603104 12	0.1UF +-10% 16V X7R
C003	65G0603104 12	0.1UF +-10% 16V X7R
C004	65G0603104 12	0.1UF +-10% 16V X7R
C005	65G0603104 12	0.1UF +-10% 16V X7R
C001	65G0603105 12	CHIP 1UF 16VX7R 0603
D001	93G 39S 34 T	UDZS5.6B
D002	93G 39S 34 T	UDZS5.6B
	715G2253 1 2	KEY BOARD PCB
L901	S73L17450VH	LINE FILTER
CN801	33G8021 2E U	WAFER
CN802	33G8021 2E U	WAFER
CN803	33G8021 2E U	WAFER
CN804	33G8021 2E U	WAFER
	40G 45762420A	ID LABEL
IC902	56G 139 3A	PC123Y22FZOF
NR901	61G 58080 WT	RST NTCR 8 OHM
R924	61G152M10464L	RST MOFR 100KOHM +-5% 2
R912	61G152M278 64	RST MOFR 0.27 OHM +-5%
C908	63G 10747410V	CAP X2 0.47UF M 275VAC
C805	65G 3J1006ET H	TDK 10PF +-5% 3KV
C809	65G 3J1006ET H	TDK 10PF +-5% 3KV
C801	65G 3J5096ET H	5PF 5% 3KV TDK
C811	65G 3J5096ET H	5PF 5% 3KV TDK
C900	65G305M1022BP	Y2 1000PF M 250VAC Y5P
C901	65G305M1022BP	Y2 1000PF M 250VAC Y5P
C902	65G306M4722BP	4700PF +-20% 400VAC
C904	67G215S1023KV	ELCAP 1000UF +-20% 16V

C905	67G215S1023KV	ELCAP 1000UF +-20% 16V
C910	67G215S1023KV	ELCAP 1000UF +-20% 16V
C911	67G215S1023KV	ELCAP 1000UF +-20% 16V
C802	67G215S4713KV	ELCAP 470UF +-20% 16V 1
C906	67G215S4713KV	ELCAP 470UF +-20% 16V 1
C912	67G215S4713KV	ELCAP 470UF +-20% 16V 1
C907	67G215Z12115K	ELCAP 120UF +-20% 450V
L902	73G 174 65 H	LINE FILTER
L905	73G 253 91 H	CHOKE COIL
L903	73G 253 91 LS	CHOKE BY LI SHIN
PT801	80GL17T 34 DN	XFMR BY DARFON
T901	80GL17T 35 DN	XFMR FOR POWER DARFON
CN901	87G 501 32 S	AC SOCKET
CN902	95G8014 15506	WIRE HARNESS
CN903	95G801412X607	WIRE HARNESS
	Q51G 6 4508	RTV
BD901	93G 50460509	2KBP06M 2A 600V
D904	93G3010 1	31DQ10FC
	705G 780 57 54	Q901 ASS'Y
	705G 780 93 16	D901 ASS'Y
IC901	56G 564911	IC TEA1532AT S08
IC801	56G 608 10	OZ9938GN
Q801	57G 417 4	PMBS3904/PHILIPS-SMT(04
Q806	57G 417 4	PMBS3904/PHILIPS-SMT(04
Q811	57G 417 4	PMBS3904/PHILIPS-SMT(04
Q804	57G 417 6	PMBS3906/PHILIPS-SMT(06
Q812	57G 417 6	PMBS3906/PHILIPS-SMT(06
Q802	57G 600 61	AM4502C-TI-PF S0-8
Q803	57G 600 61	AM4502C-TI-PF S0-8
Q807	57G 759 2	RK7002
Q810	57G 759 2	RK7002
Q808	57G 760 4B	PDTA144WK SOT346
Q805	57G 760 5B	PDTC144WK SOT346
R921	61G0805000	RST CHIPR 0 OHM +-5% 1/
R922	61G0805000	RST CHIPR 0 OHM +-5% 1/
R906	61G0805100	RST CHIPR 10 OHM +-5% 1
R909	61G0805100 1F	RST CHIPR 1KOHM +-1% 1/
R804	61G0805102	RST CHIPR 1KOHM +-5% 1/
R918	61G0805102	RST CHIPR 1KOHM +-5% 1/
R919	61G0805102	RST CHIPR 1KOHM +-5% 1/

R832	61G0805103	RST CHIPR 10KOHM +-5% 1
R907	61G0805103	RST CHIPR 10KOHM +-5% 1
R803	61G0805104	RST CHIPR 100KOHM +-5%
R813	61G0805104	RST CHIPR 100KOHM +-5%
R820	61G0805104	RST CHIPR 100KOHM +-5%
R823	61G0805105	RST CHIPR 1MOHM +-5% 1/
R826	61G0805105	RST CHIPR 1MOHM +-5% 1/
R830	61G0805105	RST CHIPR 1MOHM +-5% 1/
R910	61G0805123	RST CHIPR 12KOHM +-5% 1
R829	61G0805124	RST CHIPR 120KOHM +-5%
R828	61G0805150 1F	RST CHIPR 1.5KOHM +-1%
R920	61G0805150 2F	RST CHIPR 15KOHM +-1% 1
R802	61G0805152	RST CHIPR 1.5KOHM +-5%
R835	61G0805152	RST CHIPR 1.5KOHM +-5%
R807	61G0805153	RST CHIPR 15KOHM +-5% 1
R818	61G0805153	RST CHIPR 15KOHM +-5% 1
R810	61G0805220	RST CHIPR 22 OHM +-5% 1
R827	61G0805221	RST CHIPR 220 OHM +-5%
R915	61G0805300 2F	RST CHIPR 30KOHM +-1% 1
R917	61G0805390 1F	RST CHIPR 3.9KOHM +-1%
R824	61G0805390 2F	RST CHIPR 39KOHM +-1% 1
R911	61G0805472	RST CHIPR 4.7KOHM +-5%
R916	61G0805510 1F	RST CHIPR 5.1KOHM +-1%
R923	61G0805510 1F	RST CHIPR 5.1KOHM +-1%
R808	61G0805511	RST CHIPR 510 OHM +-5%
R831	61G0805514	RST CHIPR 510KOHM +-5%
R801	61G0805561	RST CHIPR 560 OHM +-5%
R812	61G0805561	RST CHIPR 560 OHM +-5%
R819	61G0805564	RST CHIPR 560KOHM +-5%
R816	61G0805822	RST CHIPR 8.2KOHM +-5%
R821	61G0805822	RST CHIPR 8.2KOHM +-5%
R837	61G0805911	RST CHIPR 910 OHM +-5%
R838	61G0805911	RST CHIPR 910 OHM +-5%
RJ801	61G1206000	RST CHIPR 0 OHM +-5% 1/
RJ802	61G1206000	RST CHIPR 0 OHM +-5% 1/
RJ803	61G1206000	RST CHIPR 0 OHM +-5% 1/
F801	61G1206000 4	RST CHIPR 0 OHM +-5% 1/
R914	61G1206204	RST CHIPR 200KOHM +-5%
R825	61G1206564	RST CHIPR 560KOHM +-5%
R900	61G1206684	RST CHIPR 680KOHM +-5%

R901	61G1206684	RST CHIPR 680KOHM +-5%
R902	61G1206684	RST CHIPR 680KOHM +-5%
R904	61G1206759	RST CHIPR 7.5 OHM +-5%
C810	65G0805102 31	1000PF 50V NPO
C812	65G0805102 31	1000PF 50V NPO
C822	65G0805102 31	1000PF 50V NPO
C922	65G0805102 31	1000PF 50V NPO
C819	65G0805103 32	10NF/50V/0805/X7R
C820	65G0805103 32	10NF/50V/0805/X7R
C916	65G0805104 22	0.1UF +-10% 25V X7R 080
C806	65G0805104 32	CHIP 0.1U 50V X7R
C807	65G0805104 32	CHIP 0.1U 50V X7R
C824	65G0805104 32	CHIP 0.1U 50V X7R
C917	65G0805104 32	CHIP 0.1U 50V X7R
C921	65G0805104 32	CHIP 0.1U 50V X7R
C919	65G0805224 22	CAIP CAP 0.22 uF 25V X7
C815	65G0805225 27	2.2UF
C823	65G0805225 27	2.2UF
C804	65G0805471 31	CHIP 470PF 50V NPO
C814	65G0805471 31	CHIP 470PF 50V NPO
C817	65G0805471 31	CHIP 470PF 50V NPO
C821	65G0805473 32	CHIP 0.047UF 50V X7R
C818	65G0805682 32	CHIP 6.8nF 50V X7R 0805
C816	65G0805683 22	MLCC 0805 68NF 25V X7R
D803	93G 64 42 P	BAV70 SOT-23
D804	93G 64 42 P	BAV70 SOT-23
D905	93G 6432S	1N4148W
D801	93G 6433P	BAV99
D802	93G 6433P	BAV99
ZD902	93G 39S 17 T	RLZ12B LLDS
ZD801	93G 39S 24 T	RLZ 5.6B LLDS
ZD903	93G 39S 25 T	RLZ5.1B BY ROHM
ZD901	93G 39S 38 T	PTZ 9.1B
CN901	6G 31500	EYELET
C907	6G 31502	1.5MM RIVET
L901	6G 31502	1.5MM RIVET
L902	6G 31502	1.5MM RIVET
PT801	6G 31502	1.5MM RIVET
Q901	6G 31502	1.5MM RIVET
T901	6G 31502	1.5MM RIVET

C914	65G517K102 5T6921	1000PF +-10% 500V Y5P
C915	65G517K102 5T6921	1000PF +-10% 500V Y5P
F901	84G 55 7W	FUSE 3.15A 250V WICKMAN
	715G1696 3	POWER BOARD PCB
J1	95G 90 23	TINCOATEDCOPPER
J304	95G 90 23	TINCOATEDCOPPER
J305	95G 90 23	TINCOATEDCOPPER
J307	95G 90 23	TINCOATEDCOPPER
J309	95G 90 23	TINCOATEDCOPPER
J310	95G 90 23	TINCOATEDCOPPER
J801	95G 90 23	TINCOATEDCOPPER
J802	95G 90 23	TINCOATEDCOPPER
J803	95G 90 23	TINCOATEDCOPPER
J804	95G 90 23	TINCOATEDCOPPER
J805	95G 90 23	TINCOATEDCOPPER
J806	95G 90 23	TINCOATEDCOPPER
J807	95G 90 23	TINCOATEDCOPPER
J808	95G 90 23	TINCOATEDCOPPER
J809	95G 90 23	TINCOATEDCOPPER
J810	95G 90 23	TINCOATEDCOPPER
J811	95G 90 23	TINCOATEDCOPPER
J812	95G 90 23	TINCOATEDCOPPER
J813	95G 90 23	TINCOATEDCOPPER
J814	95G 90 23	TINCOATEDCOPPER
J815	95G 90 23	TINCOATEDCOPPER
J816	95G 90 23	TINCOATEDCOPPER
J817	95G 90 23	TINCOATEDCOPPER
J901	95G 90 23	TINCOATEDCOPPER
J902	95G 90 23	TINCOATEDCOPPER
J903	95G 90 23	TINCOATEDCOPPER
J904	95G 90 23	TINCOATEDCOPPER
J905	95G 90 23	TINCOATEDCOPPER
J906	95G 90 23	TINCOATEDCOPPER
J907	95G 90 23	TINCOATEDCOPPER
J908	95G 90 23	TINCOATEDCOPPER
R833	95G 90 23	TINCOATEDCOPPER
R834	95G 90 23	TINCOATEDCOPPER
R908	61G 17218252T	RST CFR 1.8K0HM +-5% 1/
R806	61G 17247152T	RST CFR 470 0HM +-5% 1/
R905	61G 20747052T	RST MOFR 47 OHM +-5% 1/



R913	61G 20747052T	RST MOFR 47 OHM +-5% 1/
R836	61G 60251152T	RST CFR 510 OHM +-5% 1/
R903	61G212Y15352T	RST MGFR 15KOHM +-5% 1/
R809	61G212Y625 KT	RST MGFR 6.2MOHM +-5% 1
R814	61G212Y625 KT	RST MGFR 6.2MOHM +-5% 1
C923	64G700J1040AT	0.1UF 50V PEN
D902	93G 6026T52T	RECTIFIER DIODE FR107
D903	93G 6038P52T	PS102R
IC903	56G 158 4 T	H431BA
C918	65G 2K152 1T6052	1.5NF/2KV Y5P+-10%
C920	67G 2151097NT	ELCAP 1UF +-20% 50V 105
C909	67G 305100 7T	ELCAP 10UF +-20% 50V 10
Q901	57G 667 21	STP10NK70ZFP
	90G6263 1	HEAT SINK
	M1G1730 8128 CR3	SCREW
	90G6263 1	HEAT SINK
D901	93G 60245	SP10150
	M1G1730 8128 CR3	SCREW
	A34G0053 GM 1B	STAND TOP
	A34G0054 GM 1B	STAND BOTTOM
	A34G0097 GM 1B 33	BASE
	A37G0007 9	HINGE
	AQ1G1740 12120	SCREW

**BOM For PWB****SMT6CNNACH1**

Location	Part No.	Description
CN3	33G802315A H	WAFER
CN4	33G802315A H	WAFER
	40G 457624 1B	CPU LABEL
IC3	56G 379 64	CT1102
U2	56G 562122	NT68621MEFG-64
U3	56G 563 75	G1084-33T43UF TO-252
IC2	56G 563 76	G960T63UF SOT-223
U4	56G 563 77	G952T43UF TO-252
IC1	56G 643 19	G675L240T1U
IC5	56G 663 2	AAT7205 SSOP-24
U1	56G1133 56	M24C16-WMN6TP
U6	56G113334A	24LC02B/SNG SOIC-8PIN
U5	56G4LVC 14 TI	IC SN74LVC14APWR TSSOP-

Q4	57G 417 4	PMBS3904/PHILIPS-SMT(04
Q5	57G 417 6	PMBS3906/PHILIPS-SMT(06
Q8	57G 417 6	PMBS3906/PHILIPS-SMT(06
Q9	57G 417 18 T	PMBT3904 SOT-23
Q3	57G 763 1	AO3401L SOT23 BY AOS(A1
Q6	57G 763 21	MMC2301 SOT-23
Q7	57G 763 22	MMC2302 SOT-23
FB10	61G0603000	RST CHIPR 0 OHM +-5% 1/
FB6	61G0603000	RST CHIPR 0 OHM +-5% 1/
FB8	61G0603000	RST CHIPR 0 OHM +-5% 1/
R106	61G0603000	RST CHIPR 0 OHM +-5% 1/
R107	61G0603000	RST CHIPR 0 OHM +-5% 1/
R160	61G0603000	RST CHIPR 0 OHM +-5% 1/
R55	61G0603000	RST CHIPR 0 OHM +-5% 1/
R60	61G0603000	RST CHIPR 0 OHM +-5% 1/
R65	61G0603000	RST CHIPR 0 OHM +-5% 1/
R68	61G0603000	RST CHIPR 0 OHM +-5% 1/
R78	61G0603000	RST CHIPR 0 OHM +-5% 1/
R79	61G0603000	RST CHIPR 0 OHM +-5% 1/
R82	61G0603000	RST CHIPR 0 OHM +-5% 1/
R85	61G0603000	RST CHIPR 0 OHM +-5% 1/
R86	61G0603000	RST CHIPR 0 OHM +-5% 1/
R88	61G0603000	RST CHIPR 0 OHM +-5% 1/
R90	61G0603000	RST CHIPR 0 OHM +-5% 1/
R93	61G0603000	RST CHIPR 0 OHM +-5% 1/
R94	61G0603000	RST CHIPR 0 OHM +-5% 1/
R96	61G0603000	RST CHIPR 0 OHM +-5% 1/
R149	61G0603100 0F	RST CHIPR 100 OHM +-1%
R150	61G0603100 0F	RST CHIPR 100 OHM +-1%
R151	61G0603100 0F	RST CHIPR 100 OHM +-1%
R152	61G0603100 0F	RST CHIPR 100 OHM +-1%
R153	61G0603100 0F	RST CHIPR 100 OHM +-1%
R154	61G0603100 0F	RST CHIPR 100 OHM +-1%
R155	61G0603100 0F	RST CHIPR 100 OHM +-1%
R156	61G0603100 0F	RST CHIPR 100 OHM +-1%
R157	61G0603100 0F	RST CHIPR 100 OHM +-1%
R158	61G0603100 0F	RST CHIPR 100 OHM +-1%
R163	61G0603100 0F	RST CHIPR 100 OHM +-1%
R164	61G0603100 0F	RST CHIPR 100 OHM +-1%
R165	61G0603100 0F	RST CHIPR 100 OHM +-1%

R166	61G0603100 0F	RST CHIPR 100 OHM +-1%
R167	61G0603100 0F	RST CHIPR 100 OHM +-1%
R168	61G0603100 0F	RST CHIPR 100 OHM +-1%
R169	61G0603100 0F	RST CHIPR 100 OHM +-1%
R170	61G0603100 0F	RST CHIPR 100 OHM +-1%
R171	61G0603100 0F	RST CHIPR 100 OHM +-1%
R172	61G0603100 0F	RST CHIPR 100 OHM +-1%
R63	61G0603100 1F	RST CHIPR 1KOHM +-1% 1/
R13	61G0603101	RST CHIPR 100 OHM +-5%
R14	61G0603101	RST CHIPR 100 OHM +-5%
R180	61G0603101	RST CHIPR 100 OHM +-5%
R181	61G0603101	RST CHIPR 100 OHM +-5%
R185	61G0603101	RST CHIPR 100 OHM +-5%
R186	61G0603101	RST CHIPR 100 OHM +-5%
R31	61G0603101	RST CHIPR 100 OHM +-5%
R33	61G0603101	RST CHIPR 100 OHM +-5%
R35	61G0603101	RST CHIPR 100 OHM +-5%
R37	61G0603101	RST CHIPR 100 OHM +-5%
R5	61G0603101	RST CHIPR 100 OHM +-5%
R6	61G0603101	RST CHIPR 100 OHM +-5%
R62	61G0603101	RST CHIPR 100 OHM +-5%
R64	61G0603101	RST CHIPR 100 OHM +-5%
R67	61G0603101	RST CHIPR 100 OHM +-5%
R7	61G0603101	RST CHIPR 100 OHM +-5%
R70	61G0603101	RST CHIPR 100 OHM +-5%
R72	61G0603101	RST CHIPR 100 OHM +-5%
R73	61G0603101	RST CHIPR 100 OHM +-5%
R8	61G0603101	RST CHIPR 100 OHM +-5%
R23	61G0603102	RST CHIPR 1KOHM +-5% 1/
R28	61G0603102	RST CHIPR 1KOHM +-5% 1/
R42	61G0603102	RST CHIPR 1KOHM +-5% 1/
R43	61G0603102	RST CHIPR 1KOHM +-5% 1/
R44	61G0603102	RST CHIPR 1KOHM +-5% 1/
R174	61G0603103	RST CHIPR 10KOHM +-5% 1
R175	61G0603103	RST CHIPR 10KOHM +-5% 1
R176	61G0603103	RST CHIPR 10KOHM +-5% 1
R187	61G0603103	RST CHIPR 10KOHM +-5% 1
R188	61G0603103	RST CHIPR 10KOHM +-5% 1
R59	61G0603103	RST CHIPR 10KOHM +-5% 1
R97	61G0603103	RST CHIPR 10KOHM +-5% 1

R162	61G0603104	RST CHIPR 100KOHM +-5%
R58	61G0603104	RST CHIPR 100KOHM +-5%
R80	61G0603104	RST CHIPR 100KOHM +-5%
R81	61G0603104	RST CHIPR 100KOHM +-5%
R83	61G0603104	RST CHIPR 100KOHM +-5%
R87	61G0603104	RST CHIPR 100KOHM +-5%
R99	61G0603104	RST CHIPR 100KOHM +-5%
R29	61G0603105	RST CHIPR 1MOHM +-5% 1/
R126	61G0603107 0F	RST CHIPR 107 OHM +-1%
R137	61G0603107 0F	RST CHIPR 107 OHM +-1%
R109	61G0603109	RST CHIPR 1 OHM +-5% 1/
R112	61G0603109	RST CHIPR 1 OHM +-5% 1/
R148	61G0603109	RST CHIPR 1 OHM +-5% 1/
R91	61G0603109	RST CHIPR 1 OHM +-5% 1/
R124	61G0603110 0F	RST CHIPR 110 OHM +-1%
R130	61G0603110 1F	RST CHIPR 1.1KOHM +-1%
R138	61G0603113 0F	RST CHIPR 113 OHM +-1%
R127	61G0603130 1F	RST CHIPR 1.3KOHM +-1%
R146	61G0603140 1F	RST CHIPR 1.4KOHM +-1%
R120	61G0603150 9F	RST CHIPR 15 OHM +-1% 1
R25	61G0603153	RST CHIPR 15KOHM +-5% 1
R26	61G0603153	RST CHIPR 15KOHM +-5% 1
R38	61G0603153	RST CHIPR 15KOHM +-5% 1
R95	61G0603169 0F	RST CHIPR 169 OHM +-1%
R144	61G0603178 9F	RST CHIPR 17.8 OHM +-1%
R136	61G0603180 0F	RST CHIPR 180 OHM +-1%
R115	61G0603182 9F	RST CHIPR 18.2 OHM +-1%
R123	61G0603191 1F	RST CHIPR 1.91KOHM +-1%
R113	61G0603200 0F	RST CHIPR 200 OHM +-1%
R1	61G0603220	RST CHIPR 22 OHM +-5% 1
R16	61G0603220	RST CHIPR 22 OHM +-5% 1
R17	61G0603220	RST CHIPR 22 OHM +-5% 1
R18	61G0603220	RST CHIPR 22 OHM +-5% 1
R19	61G0603220	RST CHIPR 22 OHM +-5% 1
R2	61G0603220	RST CHIPR 22 OHM +-5% 1
R20	61G0603220	RST CHIPR 22 OHM +-5% 1
R21	61G0603220	RST CHIPR 22 OHM +-5% 1
R22	61G0603220	RST CHIPR 22 OHM +-5% 1
R39	61G0603220	RST CHIPR 22 OHM +-5% 1
R41	61G0603220	RST CHIPR 22 OHM +-5% 1

R116	61G0603220 9F	RST CHIPR 22 OHM +-1% 1
R27	61G0603222	RST CHIPR 2.2KOHM +-5%
R74	61G0603222	RST CHIPR 2.2KOHM +-5%
R75	61G0603222	RST CHIPR 2.2KOHM +-5%
R145	61G0603232 1F	RST CHIPR 2.32KOHM +-1%
R141	61G0603237 0F	RST CHIPR 237 OHM +-1%
R140	61G0603240 1F	RST CHIPR 2.4KOHM +-1%
R121	61G0603261 1F	RST CHIPR 2.61KOHM +-1%
R122	61G0603270 0F	RST CHIPR 270 OHM +-1%
R9	61G0603302	RST CHIPR 3KOHM +-5% 1/
R108	61G0603309 2F	RST CHIPR 30.9KOHM +-1%
R114	61G0603316 0F	RST CHIPR 316 OHM +-1%
R102	61G0603333	RST CHIPR 33KOHM +-5% 1
R84	61G0603333	RST CHIPR 33KOHM +-5% 1
R89	61G0603333	RST CHIPR 33KOHM +-5% 1
R92	61G0603333	RST CHIPR 33KOHM +-5% 1
R133	61G0603365 9F	RST CHIPR 36.5 OHM +-1%
R117	61G0603383 9F	RST CHIPR 38.3 OHM +-1%
R142	61G0603383 9F	RST CHIPR 38.3 OHM +-1%
R105	61G0603453 2F	RST CHIPR 45.3KOHM +-1%
R131	61G0603464 9F	RST CHIPR 46.4 OHM +-1%
R40	61G0603470	RST CHIPR 47 OHM +-5% 1
R11	61G0603472	RST CHIPR 4.7KOHM +-5%
R12	61G0603472	RST CHIPR 4.7KOHM +-5%
R15	61G0603472	RST CHIPR 4.7KOHM +-5%
R173	61G0603472	RST CHIPR 4.7KOHM +-5%
R177	61G0603472	RST CHIPR 4.7KOHM +-5%
R178	61G0603472	RST CHIPR 4.7KOHM +-5%
R179	61G0603472	RST CHIPR 4.7KOHM +-5%
R183	61G0603472	RST CHIPR 4.7KOHM +-5%
R24	61G0603472	RST CHIPR 4.7KOHM +-5%
R30	61G0603472	RST CHIPR 4.7KOHM +-5%
R32	61G0603472	RST CHIPR 4.7KOHM +-5%
R71	61G0603472	RST CHIPR 4.7KOHM +-5%
R51	61G0603473	RST CHIPR 47KOHM +-5% 1
R101	61G0603474	RST CHIPR 470KOHM +-5%
R190	61G0603479	RST CHIPR 4.7 OHM +-5%
R57	61G0603513	RST CHIPR 51KOHM +-5% 1
R111	61G0603549 0F	RST CHIPR 549 OHM +-1%
R129	61G0603576 9F	RST CHIPR 57.6 OHM +-1%

R98	61G0603680 2F	RST CHIPR 68KOHM +-1% 1
R184	61G0603682	RST CHIPR 6.8KOHM +-5%
R61	61G0603750	RST CHIPR 75 OHM +-5% 1
R66	61G0603750	RST CHIPR 75 OHM +-5% 1
R69	61G0603750	RST CHIPR 75 OHM +-5% 1
R104	61G0603750 1F	RST CHIPR 7.5KOHM +-1%
R103	61G0603787 1F	RST CHIPR 7.87KOHM +-1%
R119	61G0603845 9F	RST CHIPR 84.5 OHM +-1%
R132	61G0603845 9F	RST CHIPR 84.5 OHM +-1%
R134	61G0603910 9F	RST CHIPR 91 OHM +-1% 1
R147	61G0603953 9F	RST CHIPR 95.3 OHM +-1%
R189	61G1206331	RST CHIPR 330 OHM +-5%
C84	65G0603101 326805	100PF +-10% 50V X7R
C12	65G0603103 326805	0.01UF+-10% 50V X7R
C13	65G0603103 326805	0.01UF+-10% 50V X7R
C14	65G0603103 326805	0.01UF+-10% 50V X7R
C15	65G0603103 326805	0.01UF+-10% 50V X7R
C16	65G0603103 326805	0.01UF+-10% 50V X7R
C17	65G0603103 326805	0.01UF+-10% 50V X7R
C20	65G0603103 326805	0.01UF+-10% 50V X7R
C85	65G0603103 326805	0.01UF+-10% 50V X7R
C102	65G0603104 126805	0.1UF +-10% 16V X7R
C103	65G0603104 126805	0.1UF +-10% 16V X7R
C105	65G0603104 126805	0.1UF +-10% 16V X7R
C106	65G0603104 126805	0.1UF +-10% 16V X7R
C108	65G0603104 126805	0.1UF +-10% 16V X7R
C109	65G0603104 126805	0.1UF +-10% 16V X7R
C112	65G0603104 126805	0.1UF +-10% 16V X7R
C113	65G0603104 126805	0.1UF +-10% 16V X7R
C114	65G0603104 126805	0.1UF +-10% 16V X7R
C115	65G0603104 126805	0.1UF +-10% 16V X7R
C116	65G0603104 126805	0.1UF +-10% 16V X7R
C122	65G0603104 126805	0.1UF +-10% 16V X7R
C123	65G0603104 126805	0.1UF +-10% 16V X7R
C124	65G0603104 126805	0.1UF +-10% 16V X7R
C131	65G0603104 126805	0.1UF +-10% 16V X7R
C132	65G0603104 126805	0.1UF +-10% 16V X7R
C133	65G0603104 126805	0.1UF +-10% 16V X7R
C134	65G0603104 126805	0.1UF +-10% 16V X7R
C135	65G0603104 126805	0.1UF +-10% 16V X7R

C136	65G0603104 126805	0.1UF +-10% 16V X7R
C140	65G0603104 126805	0.1UF +-10% 16V X7R
C141	65G0603104 126805	0.1UF +-10% 16V X7R
C142	65G0603104 126805	0.1UF +-10% 16V X7R
C149	65G0603104 126805	0.1UF +-10% 16V X7R
C151	65G0603104 126805	0.1UF +-10% 16V X7R
C19	65G0603104 126805	0.1UF +-10% 16V X7R
C22	65G0603104 126805	0.1UF +-10% 16V X7R
C24	65G0603104 126805	0.1UF +-10% 16V X7R
C3	65G0603104 126805	0.1UF +-10% 16V X7R
C30	65G0603104 126805	0.1UF +-10% 16V X7R
C32	65G0603104 126805	0.1UF +-10% 16V X7R
C33	65G0603104 126805	0.1UF +-10% 16V X7R
C34	65G0603104 126805	0.1UF +-10% 16V X7R
C35	65G0603104 126805	0.1UF +-10% 16V X7R
C36	65G0603104 126805	0.1UF +-10% 16V X7R
C37	65G0603104 126805	0.1UF +-10% 16V X7R
C38	65G0603104 126805	0.1UF +-10% 16V X7R
C39	65G0603104 126805	0.1UF +-10% 16V X7R
C4	65G0603104 126805	0.1UF +-10% 16V X7R
C41	65G0603104 126805	0.1UF +-10% 16V X7R
C43	65G0603104 126805	0.1UF +-10% 16V X7R
C44	65G0603104 126805	0.1UF +-10% 16V X7R
C47	65G0603104 126805	0.1UF +-10% 16V X7R
C5	65G0603104 126805	0.1UF +-10% 16V X7R
C57	65G0603104 126805	0.1UF +-10% 16V X7R
C58	65G0603104 126805	0.1UF +-10% 16V X7R
C6	65G0603104 126805	0.1UF +-10% 16V X7R
C7	65G0603104 126805	0.1UF +-10% 16V X7R
C70	65G0603104 126805	0.1UF +-10% 16V X7R
C73	65G0603104 126805	0.1UF +-10% 16V X7R
C74	65G0603104 126805	0.1UF +-10% 16V X7R
C76	65G0603104 126805	0.1UF +-10% 16V X7R
C78	65G0603104 126805	0.1UF +-10% 16V X7R
C8	65G0603104 126805	0.1UF +-10% 16V X7R
C82	65G0603104 126805	0.1UF +-10% 16V X7R
C83	65G0603104 126805	0.1UF +-10% 16V X7R
C86	65G0603104 126805	0.1UF +-10% 16V X7R
C89	65G0603104 126805	0.1UF +-10% 16V X7R
C9	65G0603104 126805	0.1UF +-10% 16V X7R

C90	65G0603104 126805	0.1UF +-10% 16V X7R
C91	65G0603104 126805	0.1UF +-10% 16V X7R
C92	65G0603104 126805	0.1UF +-10% 16V X7R
C94	65G0603104 126805	0.1UF +-10% 16V X7R
C95	65G0603104 126805	0.1UF +-10% 16V X7R
C97	65G0603104 126805	0.1UF +-10% 16V X7R
C98	65G0603104 126805	0.1UF +-10% 16V X7R
C60	65G0603104 376805	CHIP 0.1UF 50V/Y5V
C61	65G0603104 376805	CHIP 0.1UF 50V/Y5V
C152	65G0603105 126805	CHIP 1UF 16VX7R 0603
C153	65G0603105 126805	CHIP 1UF 16VX7R 0603
C49	65G0603105 126805	CHIP 1UF 16VX7R 0603
C25	65G0603105 176805	1UF 16V Y5V
C26	65G0603105 176805	1UF 16V Y5V
C75	65G0603105 176805	1UF 16V Y5V
C27	65G0603220 326805	CHIP 22PF 50V X7R
C29	65G0603220 326805	CHIP 22PF 50V X7R
C55	65G0603220 326805	CHIP 22PF 50V X7R
C56	65G0603220 326805	CHIP 22PF 50V X7R
C10	65G0603224 126805	CHIP 0.22UF 50V X7R
C81	65G0603272 326805	CHIP 2700 PF 50V X7R
C50	65G0805224 176805	MLCC 0805 0.22UF Z16V Y
C51	65G0805224 176805	MLCC 0805 0.22UF Z16V Y
C52	65G0805224 176805	MLCC 0805 0.22UF Z16V Y
C80	65G0805224 226029	CAIP CAP 0.22 uF 25V X7
C79	65G0805475 A56805	0805 4.7UF +-10% 10V X5
C1	65G1206106 056805	CHIP 10UF/6.3VX5R
C18	65G1206106 056805	CHIP 10UF/6.3VX5R
C48	65G1206106 176805	CHIP 10UF 16V Y5V
C99	65G1206106 176805	CHIP 10UF 16V Y5V
C23	67G311F101 3T	CDPH ELCAP 100UF +-20%
C31	67G311F101 3T	CDPH ELCAP 100UF +-20%
C40	67G311F101 3T	CDPH ELCAP 100UF +-20%
C42	67G311F101 3T	CDPH ELCAP 100UF +-20%
C21	67G311F4703XT	CDPH ELCAP 47UF +-20% 1
C66	67G311F4703XT	CDPH ELCAP 47UF +-20% 1
C68	67G311F4703XT	CDPH ELCAP 47UF +-20% 1
C71	67G311F4703XT	CDPH ELCAP 47UF +-20% 1
C72	67G311F4703XT	CDPH ELCAP 47UF +-20% 1
C77	67G311F4703XT	CDPH ELCAP 47UF +-20% 1



C87	67G311F4703XT	CDPH ELCAP 47UF +-20% 1
FB2	71G 56D102	B201209D102TTOHM
FB1	71G 56Z601 M	CHIP BEAD 600OHM
FB3	71G 59C300	30 OHM BEAD
FB4	71G 59C300	30 OHM BEAD
FB5	71G 59C300	30 OHM BEAD
L1	73G253S 12 K	SMD CHOKE 4.7UH BS0302C
VR1	75G 359203 P	CHIP VR 20K OHM 3mm c33
D24	93G 64 42 P	BAV70 SOT-23
D10	93G 6433P	BAV99
D14	93G 6433P	BAV99
D6	93G 6433P	BAV99
Y1	93G 22S 51	12MHZ/20PF/AGX-49U/S SM
D23	93G 39PA34 T	DIODE MM3Z7V5B SEMTECH
D28	93G 39S 14 T	ZENER DIODE UDZ33.3B SO
D11	93G 39S 34 T	UDZS5.6B
D15	93G 39S 34 T	UDZS5.6B
D16	93G 39S 34 T	UDZS5.6B
D17	93G 39S 34 T	UDZS5.6B
D7	93G 39S 34 T	UDZS5.6B
D8	93G 39S 34 T	UDZS5.6B
D9	93G 39S 34 T	UDZS5.6B
D21	93G 60S 11 T	ASKS10-04T-G SOD-323-T
D18	93G 60S 13 T	D-BAT54SW-7-F SOT-323T
D22	93G 64S 5	D-BAV99W-7-F SOT323
D25	93G 64S523SEM	DIODE IN4148WS SEMTECH
D26	93G 64S523SEM	DIODE IN4148WS SEMTECH
D27	93G 64S523SEM	DIODE IN4148WS SEMTECH
7	15G1783 2 N	Main Board PCB
Q	40G 58162463A	S/N LABEL
Q	40G 582624 1A	S/N LABEL

**12. Different Parts List**

<b>Diversity of T77CNNMDHAA4NIE compared with T77CNNKHAA1FIE</b>		
<b>Location</b>	<b>Part No.</b>	<b>Description</b>
	KEPC7HA9	KEY BOARD
	26G 800504 H	BARCODE
	44GH600 1	HANDLE2
	50G 600 4	HANDLE1
	89G414A15N IS	POWER CORD
	750GLV70M8Q61N	PANEL CLAA170EA08QI 000
	A33G0067 KG L	KEY PAD
	A34G0095 KGA9B	BEZEL
	H40G 17N61540A	ID LABEL
	H40G 58161512A	712Si 8ms POP LABEL
	H41G7800615 7B	WARRANTY BOOKLIST
	H41G780061512A	QSG
	H44G7007615 1A	CARTON
	H70G200761522A	CD MANUAL
	Q40G000260811A	Windows Vista logo
	Q45G 88618 33 R	OUT PE BAG
	Q52G 1185 65	MIDDLE TAPE
DP001	81G 12 1F GH	LED 3 Pin